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PINK FORMAL

**1951**  
**IRIS CATALOG**  
AND  
**HYBRIDIZERS' HANDBOOK**

**TELL'S IRIS GARDENS**

(Tell Muhlestein)

691 East 8th North

PROVO, UTAH





TELL  
CROSSING A BLOOM OF  
LADY ALBRIGHT



# 1951

# *Tell's Iris Gardens*

TELL MUHLESTEIN, Hybridizer-Introducer  
691 East 8th North — Phone 533 W  
PROVO, UTAH

## DEAR IRIS FRIENDS:

As I write this foreword it is almost Christmas and over the radio I hear the carols and "Peace on Earth, Good Will Toward Men"—and then the latest news. One must realize that these are perilous times, and that some foolish men have not learned the true and easy way to happiness. We wonder what these would-be world rulers should do if they did conquer all this world. Might they, like Alexander the Great, sit and mourn there be no more peoples to conquer? Those who know the joy of living, the joy of service unto others, have found real happiness. It does not come from force, domineering and the crushing of men's souls! Just think of all the good man could do with the energy and resources put to the efforts of destruction, or the preservation of freedom.

But I am sure every man and woman has pondered these meditations time and again, so let us think once again of our favorite flower. Surely, however, in troubled times man's retreat to the soil in gardening, or other hobbies, will serve, as always, a wise purpose. Those who love and grow iris will continue to do so for the joy and satisfaction it brings not only to the individual but to the countless passers-by. And every fancier hybridizing on a small or large scale may, eventually, share his prized creations with the world and it will, at once, become a better place to live. Thrilling it is to create something that in time gardeners the world over may some day grow and enjoy. And since my great love is hybridizing I cannot help reflecting some of my feelings and loves in this catalog. If you do not enjoy pondering family trees, and hybridizing possibilities, such a list as this may well find the waste-basket. But the hundreds of fanciers who pursue the creation of new iris enjoy, with me, the listing of pedigrees. So we ask the gardener, interested only in the iris as garden subjects, to bear with us. I will still endeavor to give a brief and solid description of each variety listed. Some, herein, are purely hybridizers' iris, and if they are, I will try to say so. Others are garden subjects and may have little value in further breeding possibilities. Still others may not grow well in some sections, but if of high breeding value a fancier may give such iris special attention and care to further his work. *Purissima*, for example, grows poorly in some places and must be given winter protection to insure bloom, but its seedlings are (very often) quite hardy, so the extra effort to mulch such a one is well worth the effort.

Again this year let me thank the fanciers who sent us orders and make this catalog possible. Let me thank, too, the friends, and customers who wrote to express appreciation for our service—and largely for the "extras" we included. We had a couple of unhappy customers, and I suppose that is to be expected in any business. Yet, again, we would stress the fact that iris rhizomes grown in various sections of the country are quite different and respond differently to the wide variance of growing conditions throughout the world. We may not produce the largest rhizomes in all creation but they seem to grow well in most localities, and reports year after year bear this out. We would suggest, however, that you order early and plant as early as possible. It is our experience that plants given the summer to grow are less prone to winter loss than late-planted rhizomes.

It is the desire of every lover of iris to see advancement in the development of this lovely flower, and it is undisputable that tremendous strides have been made, yet undeniable, also, that much remains to be done for we know the surface has just been scratched—that possibilities in new colors, forms, branching, season of bloom, and improvement of present-day colors will give the hybridizer ample incentive for this fascinating creative work.

So saying, I wish all happy "IRISING" and may you enjoy this little booklet. I am,

Very sincerely,

TELL MUHLESTEIN.



# OUR 1951 INTRODUCTIONS

**ANTIQUE CHESTNUT** (R. L. Lyell). Co-introduction (Burning Bronze x Garden Magic.) Wine standards. Falls Pansy-brown-red with lighter border. Fine blood here for REDS. 36 inches. Net .....\$10.00

**APRICOT GLORY** (T. Muhlestein). Midseason-Late. (46-113: Golden Eagle x D. Hall's 40-24) x (Gay Orchid). Smooth delicate but rich apricot self, even to the beard, with hafts flushed deeper. Falls flare nicely and are devoid of any markings or lines to mar their beauty. Heavy Substance. No. 48-76. Height, 36 inches. Highly commended 1949. Net.....\$20.00

**GREEN MOHR** (T. Muhlestein). Midseason-Late. (Wm. Mohr x Chosen.) This seedling of Wm. Mohr has the same form seen in Lady Mohr and, like it, will either have its following or those who cannot like it. The color is a strong green-chartreuse. The falls have a flush of lavender below the beard when it first opens, but this fades after the first day. The green coloring is especially noticeable in bud, and when first opened, the color pales after the first day. Somewhat fertile pod parent. Was awarded first in seedlings at Salt Lake City Iris show, receiving, as well, a Certificate of Commendation, 1950. Height 40 inches. Fairly well balanced stalk. Net.....\$10.00

**LADY DOZIER** (Dr. Herbert L. Dozier). Midseason. (Ormohr x Brunhilde.) Praised wherever it has grown and bloomed. Wide, full heavy substance flower of a rich cobalt or violet-blue self. Lady Dozier has inherited its beautiful form from the *Oncocyclus* species, and yet has much of the charm and good quality of its parent Brunhilde. It is the finest Ormohr seedling we have ever grown. Sturdy stalks. Height 38 inches. Highly Commended 1949. Net..\$25.00

**MADAM MOHR** (Joseph C. Betcherer). Midseason. (Morera) x (Dauntless x Tropic Seas). The first seedling we have ever seen from Morera. This is a light powder blue self with gold inlay at the hafts and gold beard. Tall branched stalks. Height 40". Net.....\$10.00

**PARTY DRESS** (T. Muhlestein). Midseason-Late. (45-22 A: Lancaster x D. Hall's 42-10) x (46-22 B, sister to Pink Formal). We have all been working for a ruffled pink, and this is one. The color is actually pinker than Pink Formal. The ruffling adds greatly to its charm. Of medium size and good substance, falls semi-flaring, standards closed. Here is a flower with a lot of what we call charm or personality. Should be highly useful for breeding pinks since there is some blood refreshment here in the use of Lancaster. Highly Commended 1950. Net .....\$20.00

**PEARLY MORN** (Thorup). Midseason. (Snow Flurry x pollen parent of Helen Fitzgerald.) Awarded first in the seedlings at Salt Lake City Iris show 1949. A very large, full flower of an unusual "mother-of-pearl" coloring. The bloom has heavy substance, holding its delicate coloring throughout the life of the flower. Heavy well branched stalks 40 inches tall. Highly Commended 1949. Net.....\$20.00

**PURPLE FLASH** (R. L. Lyell). Midseason. (Indian Hills x Sable.) Deepest red-purple self. With the sun shining through it looks very much like heavy dark blood-red stained glass. Should be highly useful for breeding rich dark colors; reds and blacks. Height 40 inches. Net.\$10.00

**SWEET MARIE** (T. Muhlestein). Early-Midseason. (Two sister seedlings: D. Hall's 40-32 x 40-24.) Large orchid self with tangerine beard. Clean color. Will surely be a useful parent with other tangerine bearded iris for the new shades: rose, salmon, pink, fuchsia, etc. Well branched stalk. 36 inches. Highly Commended 1950. Net .....\$10.00

**UTAH SUNSET** (T. Muhlestein). Early-Midseason. (Honeyflow x 46-16. Sister to Sunset Road.) Lovely, smooth blend of onion-skin pink, buff, and salmon. The flower is too large for its substance and the color will fade a bit in extreme sun, yet every garden visitor is drawn to its size and coloring. It should be highly valuable for hybridizing work as well as delightful in the border, and in arrangements where a lovely color is wanted. Because of its technical faults the price is held down, and only a limited number will be sold. Low well branched 32 inch stalk. Highly Commended 1949. Net .....\$10.00

**WESTERN HILLS** (Mrs. F. Allen Brown). Midseason. Re-blooms. (Unknown, but looks to have Radiant blood.) Mentioned by Mrs. Steedman as a dependable fall blooming variety in Roanoke, Va. This re-blooms early enough to insure blooming in most sections of the United States. Its fall bloom is even better than its spring flowering and will bloom without special care. The colors are those warm golden-mustard-tans seen in autumn leaves. The falls are flushed with silvery-plum or peacock-blue over rich copper. The beard is gold. Lovely strong fragrance. Height 42 inches. Net.\$10.00



## DWARF BEARDED INTRODUCTIONS

**OLIVE EVA** (Ethel Christensen). Early and re-blooms in fall. (Two Dwarfs.) Here is one of the first blended variegatas I have seen in a true dwarf. It should be highly useful in bringing new colors into the dwarf bearded class. Standards pale yellow — lower half flushed lavender-purple. Falls purple, lower eighth yellow. Styles yellow flushed purple. Consistently re-blooms in the fall. Fragrant. Height 4 inches. Net .....\$5.00

## SPURIA INTRODUCTIONS

**BRONZE BUTTERFLY** (Rev. E. H. Brennan). Midseason. (Bronzspur x Ochraurea.) Rich bronze-brown that should be highly useful for hybridizing purposes for this color, yellows and blends. Falls not quite as flaring as some, yet they hold their shape well. Net.....\$10.00

(Spurias shipped after Sept. 1st.)

# HYBRIDIZER'S PARADE

We are pleased to offer 10 new iris at a modest price that will surely be useful for hybridizing purposes. Some of these I have proved, the others hold promise, and are fine iris in themselves. Priced at **\$5.00 each**. A complete set of all **10 for \$30.00**.

**BROWNLAND** (Muhlestein). Midseason-Late. (Casa Morena x Tobacco Road.) Light brown blend with ruffled edges. Produces fine seedlings. 36 inches.

**GAY BLADE** (Muhlestein). Midseason. (Arab Chief x 45-12: E. B. Williamson x Prairie Sunset.) Blend of russet-orange. 40 inches. No. 47-132.

**JUST ANNIE** (Muhlestein). Midseason-Late. (Sister to Fabulous Kate.) Yellow standards, white falls bordered yellow. Wide and full in all parts. Standards somewhat open. Has been so well received both here and in the garden of Annie Gierisch, Burley, Idaho, that we have decided to name it for Annie (one of our Robin members) and she has graciously accepted with gratitude. We think this large flower will find a host of friends just as "Annie" has even though she is deaf and must read lips to follow a conversation. 38 inches.

**LITTLE LAKE** (Muhlestein). Early-Midseason. (J. Sass' I. hoogiana sdg. x Chivalry.) Small, true border iris somewhat reminiscent of Billet-Doux. Quite blue with deeper shadings at the hafts. Sets some seed. Should be useful to bring in new blood, and perhaps "bluer" lines through hoogiana. 20 inches. No. 48-10.

**PAROWAN** (Thorup). Early-Midseason. ((Lord of June x Lent a Williamson) x (Sherbert x Moa)) x (Piute). Rich dark ruby-red. Accent on form; closed standards. Velvety falls. Proving a splendid parent when used with tall varieties. The Indian name means Red Water. Height 32 inches.

**ROSE GLOW** (Muhlestein). Midseason-Late (Mandalay x 45-12: E. B. Williamson x Prairie Sunset.) Light rosy-red self. Falls flare horizontally. 40 inches. No. 47-45.

**RUFFLED GEM** (Muhlestein). Midseason-Late. (Midwest Gem x D. Hall's 42-10.) Heavily ruffled buff-blend. 38 inches. No. 46-41 B.

**SKY SONG** (Muhlestein). Early Midseason. (Anitra x Great Lakes.) Exceptionally smooth pure blue self. Crossed with Cahokia gave a remarkable blue self, also of very smooth texture. Fine blood here for both blues and whites. A lovely border plant. 32 inches.

**THE KNOCKOUT** (Muhlestein). Midseason. (Remembrance x sdg.: Ming Yellow x Prairie Sunset.) Rich yellow standards, falls lighter brushed heavy yellow on the hafts, each side of the deep orange beard. A clean and delightful combination. Should be useful for breeding lovely yellows, pinks and blends for the flower is large and full in all parts. 36 inches. No. 46-76 C.

**THE TANNER** (Muhlestein). Midseason. (Fortune x Tobacco Road.) Unusual mustard-tan self of fine form. Quite different in color to any of the tans we have grown. Fine blood here for these colors. Height 32 inches. Moderate of increase. No. 46-145.



# TALL BEARDED IRIS

- ACADIA** (Tompkins '46). M. (Honeyflow x Coloratura.) Wide lemon-yellow.....\$1.00
- ACE HIGH** (Lyell '45). M. (Calif. Gold x Happy Days.) Yellow. Light in falls.....\$ .75
- ACTION FRONT** (Cook). E.-M. (Morning Splendor, Seminole, Cinnabar) x (E. B. Williamson). Good red .....\$1.00
- ADMIRAL NIMITZ** (Graves '48). M. (Pale Moonlight x Gudrun) x (Snowking). White with bright orange beard. H.M. '48.....\$5.00
- ADMIRATION** (K. Smith '46) M.-L. (Aubanel x X-76) x (Chosen x Yellow Glory). Everyone admires this impressive clear yellow. H.M. '47 .....\$5.00
- ADELANTO** (DeForest '41). M. (Druid x Alta Calif.) x (Naranja). Yellow-ore brushed brown. Blood for plicatas, oranges and blends...\$1.00
- ADVENTURE** (Grant '41). M. (Prob. Mary Geddes.) Yellow plic. Marked rosy-brown.....\$ .50
- AFAR** (Lapham '48). M. (Spindrift x Isabellina.) Orange-sherbet, tangerine beard.....\$5.00
- AFTER MIDNIGHT** (Muhlestein '49). M. (Storm King x Sable.) Large, well formed, tall, dark purple. Fine grower, good parent. C.O.C. '47 .....\$2.00
- AGLOWING** (Horton '45). M. (Golden Hind x Golden Treasure.) Bright yellow.....\$2.50
- ALADDIN'S WISH** (Murawska '45). M. (Buechley Giant x Pluie d'Or.) Unusual! Blue brushed gold .....\$2.00
- ALASTOR** (Spender '49). M.-L. (Sdgs.) Cyclamen pink, orange beard. A.M. '41.....\$ .60
- ALBA SUPERBA** (J. Sass '43). M.-L. (Snowking x Happy D. sdg.) Huge white. H.M. '43....\$2.00
- ALDURA** (C. Larsen '43). E.-M. (Don Juan) x Titan x San Francisco) x (Wasatch). Beautifully formed, heavy substantanced white plicata. Remarkable parent, Top quality! H.M. '47...\$1.00
- ALICIA** (Rawlins '48). E.-M. (Great Lakes x Gloriette.) Tall, stately blue with the best qualities of its two great parents. Wonderful blood here for blues and whites.....\$10.00
- ALLUMEUSE** (Gage '38). M.-L. (Dorothy Dietz x Sir Michael.) Lovely blended neglecta. Good blood here for amoena breeding.....\$ .50
- ALPINE GLOW** (Kleinsorge '45). M. (Mexico x red sdg.: Rebellion, King Tut, Purissima, Dolly Madison and E. B. Williamson.) Smooth rose-violet blend. H.M. '46.....\$1.50
- ALTAMOHR\*** (C. J. Paul '48). M.-L. (Wm. Mohr x Alta California.) Lovely flaring violet-orchid. Sets seed. Blood for plicatas and yellows..\$2.00
- AMANDINE** (G. Douglas '46). M.-L. (White Prince x Caroline Burr.) Wide, full cream. A.M. and President's Cup '48.....\$5.00
- AMARANTH** (Whiting '42). M. (Cheerio x Ossar.) Rosy purple. Fine blood for reds and rich blends. Parent of Gypsy Rose and Campfire Glow .....\$1.00
- AMAZON TAN** (Hill-son '49). M. (Prairie Sunset x Hill sdg. involving Sass lines x Sandalwood). The most beautiful giant light golden tan we have ever seen. Falls flare horizontally. Truly a magnificent iris. We predict great things for it when better known. Impressed me as one of the top five iris seen at the 1950 Sioux City convention. By far the best Prairie Sunset seedling I have seen. Limited stock. Net .....\$5.00
- AMBER GEM** (Salbach '46). E.-M. Huge chestnut and gold blend. H.M. '47.....\$3.00
- AMIGO** (E. B. Williamson '34). M.-L. Lovely standard neglecta. A.M. '38.....\$ .50
- ANAKIM** (Kleinsorge '34). E.-M. (Souv. de L. Michaud x Bruno.) Violet-blue.....\$ .50
- ANATOLIA\*** (Craig '49). M. (Tiffany x Los Angeles) x (Capitola). Onco-patterned light red-violet to lavender. Slight signal patch at tip of beard. Very vigorous.....\$6.00
- AND THOU** (Graves '42). M. (Purissima x Nene.) Large blue-white. Fine parent for whites with blue beards, and blues. H.M. '42.....\$1.00
- ANGELUS** (Egelberg '37). L. (Eliz. Egelberg x Depute Nomblot.) Fine orchid-pink that closes the season. Good pod parent when it can be induced to set seed. H.M. '39.....\$ .50
- ANITA CATHERINE\*** (S. Clarke '49). M.-L. (Purissima x Mohrson.) Large blue-white showing little of its onco blood. Will set some seed.\$3.00
- ANITRA** (H. Sass '36). M. (Purissima x Oriana.) Clear light blue classic. Fine pod parent. H.M. '37 .....\$ .40
- ANNA WILLIAMSON** (P. Cook '46). M. (Sis. to Majenica: Sdgs. x Rameses.) Bi-colored pink blend. H.M. '46.....\$2.00
- ANNE NEWHARD** (Weisner). M. Rich purple bicolor. H.M. '44.....\$ .50
- ANTHONY** (H. Randall). M. (Aubanel x Mary Shore.) Large blend never introduced. Its hybridizer has allowed me to list it, even though it does not measure up to his high standards of perfection, for its possible value as a fine parent .....\$5.00
- ANTIQUE CHESTNUT** (Lyell). See Introductions.
- APEX** (Tompkins '47). M.-L. (Garden Glory x Jasper Agate.) Doing wonderful things for Tompkins in his new line of reds. Will prove of remarkable worth in breeding for reds \$10.00
- APRICOT GLORY** (Muhlestein). See Introductions.
- ARAB CHIEF** (Whiting '44). L. (Raejeon x Garden Magic.) Burnt copper-orange. Fine, late, garden subject and an excellent parent. H.M. '46.\$1.00
- ARCADIA BUTTERCUP** (Milliken '47). M. Brilliant yellow. H.M. '48.....\$3.50
- ARGUS PHEASANT** (DeForest '48). M. (Casa Morena x Tobacco Road.) Large, brilliant golden brown. A.M. '50.....\$15.00



- ARIA** (Tompkins '48). M.-L. (Damascus x Rocket) x (Apex). Coppery toned henna. One of the parents of Manana which in turn is parent of the now famous 50-90. Aria is going to do great things in breeding reds. We recommend it highly for this purpose. Net.....\$3.50
- ARIANE** (Cayeux '35). M. (Chaldee x Fckir.) Heavily marked, over-all patterned plicata.. \$ .50
- ASHES OF ROSES** (Kirkland '40). M. Smoky rose that is different.....\$ .75
- ATROUS** (Gage '43). M. (Purp. sdlg. x Modesta: Cheerio x Rosy Wings.) Black-purple with rich red undertone .....\$1.50
- AUBURN** (Kleinsorge '45). M. (Prince of Orange x 258: Far West x Junaluska.) Auburn-red with metallic flush in falls. Rich blood for blends, oranges and reds. H.M. '46.....\$5.00
- AUGUSTA** (McKee '48). M. (Miobelle) x (Red Gleam x 4158). Rich blend that cannot miss being a splendid parent for reds and blends. H.M. '48. Net .....\$5.00
- AURORA DAWN** (Whiting '48). M. (Veishea x Korea.) Rose-pink and gold.....\$2.00
- AUTUMN FLAME** (H. Sass '41). M. and Reblooms. (Sdls. from Morning Splendor x King Tut.) Purple .....\$ .75
- AUTUMN SPLENDOR** (Stevens '46). M. (Pompador x Aida.) Glowing golden-brown...\$5.00
- AZTEC COPPER** (Kleinsorge '39). M. (Far West x Tan Sdlg.) Odd, wide, smoky-copper. Superb parent. Useful for many colors. H.M. '40. \$ .75
- AZTEC INDIAN** (W. Buss '49). M. (Brown Thrasher x Gypsy.) Quality bright new variegata.\$10.00
- AZURE SKIES** (Pattison '43). M. (Crystal Beauty x Snowking.) Delightfully ruffled light blue. A fine parent used with tall plants. A.M. '45 .....\$1.00
- BAGHDAD** (Whiting '46). M.-L. (Garden Glory x Golden Spike.) Yellow with bronze overlay. Highly potent pollen. Should be an excellent breeder for yellows, blends and reds...\$4.00
- BALLET DANCER** (Kleinsorge '49). E.-M. (Chamois x Cascade Splendor.) Apricot-tan. Falls flare horizontally. Regal blood!.....\$8.00
- BALMUNG** (H. Sass '39). M.-L. (Undoubtedly Orloff-Tiffany blood.) Fine yellow plicata. A.M. '42 .....\$ .60
- BANDED BEAUTY** (H. Sass '48). M. (48 38: Tiffany x Siegfried) x (33-38: Rameses sdlg. x Orloff). Brown banded plicata.....\$5.00
- BANDIT** (Tompkins '50). M. (Redward x Cape Bon.) Fine red.
- BANDMASTER** (D. Hall '44). M. (Blue sdlg. x Great Lakes.) Large medium blue. H.M. '44...\$1.00
- BARBARA ADAMS** (Cahoon '47). E.-M. (Purissima x Dymia) x (Brunhilde). Rich blue-purple of delightful form. Grand blood for dark purples and blues. Net .....\$2.50
- BARRIMOHR\*** (Wm. Miller '44). M. (Wm. Mohr x Adobe.) Large, well formed purple bi-color. Difficult parent .....\$1.00
- BATAAN** (Kleinsorge '42). M. (233: (Purissima x Cameliard) x (??) x (Aztec Copper). Red, copper and rose blend. Difficult in growth here..\$1.50
- BAY STATE** (Corey '49). M. (Pale Moonlight x Great Lakes.) Fine blue. H.M. '49.
- BELLE AMIE** (J. Ohl '49). M.-L. (Tiffany x Golden Fleece.) One of those lemon-ice colors. The name: "Beautiful friend." H.M. '50.....\$5.00
- BELLERIVE** (C. Benson '49). E.-M. (Birchbark x Gallant Leader.) Huge, heavy substandard cream with Gallant Leader's form. Should be a top breeder for putting size, height and form into the reds. Blood here, too, for creams, whites, purples, blues and blends. H.M. '50 .....\$7.50
- BEN AHDEM\*** (Morris '50). E.-M. (I. hoogiana x Benton Daphne.) Lilac-blue. Could be highly useful for breeding blues and plicatas. 30 inches. Only a few rhizomes. Very easy grower and fast of increase. Net.....\$5.00
- BEN BOLT** (Lothrop). L. (Esquire x 45-30: L8-40 x The Black Douglas.) Mrs. Lothrop's bid for the finest dark iris. Of commanding form, height, lasting quality and all-around excellence. Standards so dark they almost appear velvety. 40 in., well-branched stalk. Net.\$10.00
- BENJAMIN\*** (Morris '50) E. (Stolonifera x Yellow Chamaeiris.) The first seedling we have heard of from I. stolonifera. Pale lime-green attractively mottled and shaded with blue-purple. Hardy and vigorous of growth. Height 10 inches. Net .....\$5.00
- BENTON DAPHNE** (Morris). M. (Plicata sdls. from Mary Geddes, Golden Hind and Sacramento lines.) Plicata. Standards lilac-rose on cream ground. Falls ivory with bold red-lilac stitching. Net .....\$1.50
- BERKELEY BLUE** (Salbach '44). E.-M. (Purissima x blue sdlg.) Splendid blue, and another great child of Purissima.....\$1.00
- BERKELEY GOLD** (Salbach '42). M. (Radiant x sdlg.: Happy Gift x Natoma.) Clean rich yellow in great demand. A.M. '46.....\$ .75
- BEVERLY** (Lapham '39). M. (No-we-ta) x (Midgard x Aphrodite). Delicate pink blend of Pallida origin. 24 Chromosomes.....\$ .35
- BILLOWY SEA** (Norton '44). M. (Great Lakes x Shining Waters.) Large blue of deeper color and different form than its sister Sylvia Murray. Should be a superb parent.....\$1.00
- BIRCHBARK** (Kleinsorge '40). E.-M. (Undoubtedly Purissima blood.) Splendid white and a fine parent for whites, blues and creams. Net \$ .75
- BLACK AND GOLD** (Kleinsorge '43). M. (Involving: Yakima, Cameliard, Burning Bronze, Purissima, Jean Cayeaux, Crown Prince.) Richly contrasting variegata. Net.....\$1.00
- BLACK BANNER** (Nicholls '47). M.-L. (Smolder x The Black Douglas.) Tall dark purple. H.M. '47 .....\$1.50
- BLACK FOREST** (Schreiner '45). M. (Dymia x Ethiopie Queen.) Not large or tall, but very dark —almost black. A.M. '48.....\$2.00
- BLACK HAWK** (Schreiner '41). E.E. (Lutin x Black Wings.) Very dark purple bi-color. A true intermediate. Will start the tall-bearded season. 20 inches .....\$ .75



- BLACK MICHAEL** (Morris '49). L. (Persephone x Blue Ensign.) Imposing black-purple of rich velvety sheen. Silver Medal England '48. Height 42 inches. Only a few rhizomes this year. Net .....\$20.00
- BLACK RUBY** (J. Dolman '49). M. (Melanie Dolman: Dauntless x Montour) x (S.241). Rich bired. H.M. '49 .....\$5.00
- BLIZZARD** (Knowlton '49). E. (Snow Flurry x Easter Morn.) Fine ruffled white that should be a top breeder for whites, creams and blues. H.M. '49. Net .....\$7.00
- BLUE ANGEL WINGS** (McKee '49). M. (Snow Flurry) x ((Misty Rose x Miobelle) x (Snow Flurry)). Lovely blue-white. Net.....\$4.00
- BLUE BLAZES** (Welch '50). M. (B-50: Gudrun x Easter Morn) x (Great Lakes). Lovely, tall, clean, smooth blue with quality written all over it. Superb blood for blues and whites. H.C. '49 .....\$12.00
- BLUE CROWN** (Washington '45). M. Blue-white, not unlike And Thou.....\$1.00
- BLUE DELIGHT** (Grant '41). M. (Gloriole x Shining Waters.) Blue that has captured the best qualities of its two fine parents. Net....\$1.00
- BLUE ELEGANCE\*** (S. Jory '48). E.-M. (Purissima x Capitola.) Delightful, wide clean blue. Sets seed. H.M. '49.....\$10.00
- BLUE ENSIGN** (Meyer). M. (Magnificate x Blue Danube.) Deep mid-blue of good form and growing habits. Dykes Medal England '49. Net .....\$2.50
- BLUE FRILLS** (B. Stephenson '46). M. (Aline x Missouri.) Deep azure blue, with blue-tipped beard .....\$2.00
- BLUE GLOW** (Nicholls '45). M.-L. (West Point x Mata Hari.) Rich blue. H.M. '48.....\$2.50
- BLUE PARAKEET** (Waters '50). M.-L. (Bandmaster x Azure Skies) Unusually blue with olive-ocher on hafts. Net .....\$12.00
- BLUE PETER** (White '36). E.-M. (Acropolis x Modoc.) Richly colored purple. Should be highly valuable for dark breeding.....\$ .40
- BLUE RHYTHM** (Whiting '45). M. (Annabel: Blue Triumph v Aline) x (Blue Zenith). It's performance that counts. Blue Rhythm always gives a perfect display and is the most dependable first year performer we have ever grown. It should prove a splendid parent. Winner of both the President's Cup and Dykes Medal for 1950 .....\$3.00
- BLUE RIM** (C. Larsen '48). M. (Purissima x Alameda) x (Aldura). White plicata with full round petals heavily marked with clear blue. We think this is an outstanding plicata. Judged Queen of the Show, Salt Lake City, 1949. H.M. '49 .....\$7.50
- BLUE SHIMMER** (J. Sass '42). M. (H. Sass' 65-35) x (Blue Monarch x Blue Hill). Stunning blue plicata. Proving a superb parent for plicatas and blues. A.M. '44.....\$1.00
- BLUE SPIRE** (Milliken '39). E.-M. (Purissima x Wistaria.) Lovely light blue. A good parent for blues and whites .....\$ .75
- BLUE VALLEY** (K. Smith '47). M. (Lake George x Great Lakes.) Quite blue. Will, undoubtedly, prove a wonderful parent. A.M. '49.....\$7.50
- BLUE ZENITH** (Whiting '42). M. (Blue Hill x Sierra Blue.) The parent of Blue Rhythm, and a fine iris in its own right.....\$ .60
- BLUMOHR\*** (W. Marx '49). E.-M. (Wm. Mohr x Orloff.) Delightful, beautifully formed, heavy substantanced blue. Will set seed. H.M. '49 \$12.50
- BOLD COURTIER** (Whiting '49). M. (Mirabelle x Cedar Rose.) Rich brown blend. Full, ruffled flower. Can't miss as a superb parent. Net .....\$3.50
- BONNY** (Lapham '49). M. (S Q 71 x S Q 51.) Medium sized peppermint pink with tangerine beard. H.M. '50.
- BRIGHT LIGHTS** (Schreiner '46). M. (Naranja x Siegfried.) Yellow plicata marked cinnamon-brown. Blood for plics. and oranges....\$2.00
- BRIGHT SONG** (Schroeder '49). E. ((Midwest Gem x Far West) x (Morocco Rose)) x (China Maid x Golden Eagle). Orchid-pink with tangerine beard. H.M. '50.
- BRILLIANT AMBER** (Salbach '47). M. Large, light amber blend. H.M. '47.....\$3.00
- BRITISH QUEEN\*** (Aylett). E.-M. (Purissima x Lortetii.) Odd hybrid that may be useful in further hybridizing because of its I. lortetii blood. Net .....\$2.00
- BRITTANIA** (Tompkins '49). M. (Apex) x (Cape Bon x Redward). Very large, long, rich red. Top quality and top blood. Should be a remarkable parent for reds or rich blends. H.M. '50. Net .....\$15.00
- BRONZE BROCADE** (Nesmith '48). M. (Sequatchee x Tobacco Road.) Copper, red and brown together in a warm, rich blend. H.M. '48...\$8.00
- BRONZED COPPER** (Kleinsorge '43). M. (Sister to Auburn.) Light copper flushed metallic lavender .....\$ .50
- BROWNLAND** (Muhlestein). See Introductions.
- BROWN STAIN** (Muhlestein '48). M. (Grand Canyon x Stained Glass.) Richer, wider Bryce Canyon type. Garden visitors like it, but not the name. We're sorry we christened this iris so, but think you may enjoy it, anyway, as a fine garden subject and parent. C.O.C. '47..\$3.00
- BROWN THRASHER** (Kirkland '41). M. (Copper Lustre x.) Light copper-tan that in some seasons is very bright, others dull. Should be a good parent with Tobacco Road, Aztec Copper, or other very wide and flaring iris. A.M. '43 .....\$1.25
- BRYCE CANYON** (Kleinsorge '33). M.-L. (Mexico x Tobacco Road.) Copper-tan with a lot of life. Splendid parent for rich blends. Could be used in a red program. A.M. '47.....\$2.50
- BURMESE GOLD** (Whiting '45). M.-L. (Happy Days x E. B. Williamson) x (Prairie Sunset). Delectable, smooth apricot, gold and buff blend dusted with gold.....\$2.00
- BURMESE RUBY** (Muhlestein '49). M.-L. (Red Valor x Red Gleam.) A complete red self only the orange beard in contrast. Has an enamel-like finish rather than velvety. I rather think it will be a splendid parent if used with things to get away from sunburning, and breed to something with lush foliage for its foliage is sparse. H.C. '48.....\$7.50



- BURNISHED GOLD** (Kirkland '40). M. (Aztec x Midas) x (Yel. sdg. x W. R. Dykes). Gold with coppery overlay. Especially fine in Calif..\$ .50
- BUTTERCUP LANE** (D. Hall '47). E.-M. ((Rameses x Jean Cayeux) x (Salutation)) x (Golden Hind). Clear yellow with deeper orange-yellow beard. H.M. '40 .....\$ .50
- BUTTERFLY WINGS\*** (White '46). E.-M. (Pink Jadu x I. Susiana) x (Theme x Sacramento). Porcelain blue (or blue-oyster shell) with falls heavily lined like a butterfly's wings. H.M. '47 .....\$4.00
- CAHOKIA** (Fought '48). M. (4E 1: Purissima x B 31: Purissima x Santa Barbara) x (B 31 x Santa Clara). Very light blue with greenish midrib. Superb parent for blues and whites. Net .....\$15.00
- CALIFORNIA PEACH** (Salbach '41) M. (Natoma) x (Mary Geddes x Miss Calif.). Light peach and yellow blend. H.M. '41.....\$ .50
- CALIFORNIA ROSE** (Salbach '47). M. (Marquita sdg. x Prairie Sunset.) Very large, soft old rose. H.M. '47. Net.....\$3.00
- CALIFORNIA TREK** (White '41). M. (Incognito x Chosen.) Very large, wide light yellow of supreme quality .....\$ .75
- CAMEROUN** (Cayeux '38). M. Lustrous rich purple. Still one of the best in its color class. Net .....\$1.00
- CAMPANULA** (Tompkins '48). M. (Blue Shimmer x Great Lakes.) Lovely Campanula blue. Swell blood here for blues and plicatas.....\$5.00
- CAMPFIRE GLOW** (Whiting '47). M.-L. (Amaranth x Three Oaks.) Rich as Tapestry. Deep ruby heavily overlaid with copper. Wonderful breeding for reds and blends. H.M. '47..\$10.00
- CANYON ROAD** (Kleinsorge '46). M. (Oregon Trail) x ((Old Parchment) x (Tuscany Gold x Rameses). Large tan blend with royal blood. ....\$1.50
- CAPE BON** (Tompkins '45). M. (Aztec Copper x Veishea.) Red with copper undertones. Back of Tompkins' new reds — recommendation enough for its use for red breeding. H.M. '45 .....\$5.00
- CAPITOLA\*** (Reinelt '40). E.-M. (Wm. Mohr x Ib-Mac.) Larger, better-formed Wm. Mohr without quite so much pattern. Pollen highly fertile and very useful to bring Onco blood, and type, into the tall bearded class. A.M. '50. Net.\$1.00
- CAPTAIN WELLS** (P. Cook '41). M.-L. (Same breeding as Action Front.) Maroon-black. Needs partial shade. Superb breeding for black and red lines. A.M. '43.....\$ .75
- CAPTIVATION** (Tompkins '49). M. ((Mme. L. Aureau x Sass 119-39) x (Nassak)) x (Blue Shimmer x Mme. L. Aureau). Very large, full, beautifully marked plicata. Fascinating lines for breeding this color.....\$5.00
- CARAVAN** (Tompkins '49). M. (Mirabelle x Cape Bon.) Rich blend. Rich blood, too, for blends and reds .....\$5.00
- CARDINAL'S ROBE** (Lyll '50). M. (Indian Hills x Sable.) Rich as a Cardinal's robe. Sister to new introduction Purple Flash. Top blood for blacks and reds. 42 inches.....\$8.00
- CARLSBAD CAVERNS** (Wilson '46). M. (National White x Spun Gold.) Standards lemon-yellow, falls white edged yellow. Huge.....\$1.50
- CARNIVAL PARADE** (H. Sass '46). M.-L. (Two plicatas 38-36 x 44-36, undoubtedly Tiffany and Orloff blood.) Massive yellow plicata...\$1.00
- CAROLINE BURR** (K. Smith '40). M. (Easter Morn x Madam M. Lassailly.) Large cream with chartreuse cast. Breeding material for neglectas, creams, amoenas, whites and blues. A.M. '42. Seed germinates easily.....\$ .75
- CARVED IVORY** (Essig '36). E.-M. ((Calif. Blue x Argentina) x (Miss Willmott x Sherbet)) x (W. R. Dykes). Splendid ivory cream.....\$ .50
- CAROUSEL** (G. Douglas '48). M. (Titan Lady x Melitza) x (Alastor). Blend of majenta, violet and gold. H.M. '48
- CASA MORENA** (DeForest '43). M. (Morning Splendor, Germain Pertheus, Alta Calif., Rubeo, Grace Sturtevant) x (Prairie Sunset). Lovely burnt sienna and chestnut. Blood for blends, reds and even plicatas; A.M. '46.....\$2.00
- CASCADE SPLENDOR** (Kleinsorge '45). M.-L. (Mexico x Goldbeater.) Ruffled pinkish-apricot blend. Proving a fine parent for blends, rich yellows and variegatas. A.M. '47.....\$2.50
- CELESTAR** (C. Larsen '50). M. (((Los Angeles) x (Don Juan x Titan)) x (San Francisco)) x (Aldura))) x (Tiffany). White with flush of lavender-purple on one side of the falls. The buds are flushed with this same color—giving them an unusual effect. To retain the color the flowers should be picked as soon as open—otherwise the color fades away leaving a white flower. Crossed with Cool Lemonade gave some splendid, well branched, lemon-yellows of quality. H.C. '49 .....\$10.00
- CENTURION** (Wills '50). E.-M. (Hindu Queen x Tobacco Road.) Burnished brown. H.M. '50. Net .....\$15.00
- CHALLENGE** (Stevens '50). E.-M. (Inspiration x Caribbean Treasure: Miss Calif. x Cedar). Huge rose.
- CHAMOIS** (Kleinsorge '44). M. (Mexico x Tobacco Road.) Stunning light golden-tan. Chamois and Amazon Tan lead this color class. A.M. '48 .....\$3.50
- CHANTILLY** (D. Hall '45). M.-L. (Maiden Blush x pink sdg.) Very heavily ruffled orchid-pink blend. Produces this ruffling in many of its seedlings, giving them great vigor as well. A.M. '47 .....\$2.00
- CHARIOTEER** (Tompkins '50). M. (E. B. Williamson x self.) Light "red" proving highly useful for breeding. Net .....\$1.00
- CHARLIE GERSDORFF** (Lapham '48). M. (Copper Rose x Red Gleam). Strong bi-colored coppery-red. Good blood for red breeding.....\$3.50
- CHAR-MAIZE** (D. Lyon '49). M. (Snow Flurry x Aztec Copper.) Rich yellow with strong undertones of chartreuse. Wide, full flower that is stunning as well as different. Will undoubtedly be a great breeding iris. H.M. '49. Net...\$15.00



- CHERIE** (D. Hall '47). E.-M. (42-07: Golden Eagle x 39-62) x (Fantasy). Beautifully formed light flamingo pink. Will be a very useful parent, undoubtedly. A.M. '49. Runner up for Dykes '50 .....\$15.00
- CHICORY BLUE** (G. Douglas '42). E.-M. (Shining Waters x Stella Polaris.) Good blue. Royal blood for blues, violets and whites. H.M. '42 .....\$1.50
- CHIEF POKING FIRE** (DeForest '42) M. (Alta Calif. x Jean Cayeux) x (E. B. Williamson). Fine red. Overlooked, perhaps, as a parent for rich blends, plicatas and reds. ....\$1.00
- CHILDHOOD** (Long). M. Blend of bronze and pink with blue flush on falls. ....\$3.00
- CHINA MAID** (Milliken '36). E.-M. (Mauna Loa x Dauntless.) Pink blend with a strong and delightful perfume. Blood for red or even amoena breeding. Use with varieties heavy in substance .....\$ .75
- CHIPPEWA** (Salbach '43). M. (Orloff) x ((Seduction x Comstock) x (Alta Calif)). Lightly marked yellow plicata .....\$ .50
- CHIVALRY** (J. Willis '44). M.-L. (Missouri x Great Lakes.) Ruffled medium blue. Its pollen used on Snow Flurry has given Prof. Mitchell some lovely things. Dykes Medal '47. Top of the Symposium 1950 .....\$5.00
- CHI-YUN** (DeForest '47). E.-M. (Snow Flurry x Azure Skies.) Ruffled, full white. Not tall, but used with blue or white varieties with height should prove a wonderful breeder .....\$2.50
- CHOIR BOY** (Schreiner '47). L. (King Juba x Dorothy Dietz) x (Cantabile). Nicely formed amoena. Fertile .....\$1.50
- CHOSEN** (White '37). E.-M. (Mirasol x Purissima) x (Rubeo). Large yellow of quality. Blood for this color, creams, whites and reds. ....\$ .50
- CHRYSOLITE** (Milliken '41). E.-M. (Easter Morn x Lady Paramount.) Wide cream with rich orange beard. Difficult parent. ....\$ .75
- CITY OF LINCOLN** (H. Sass '37). M.-L. (Al-lu-we x ). Still a fine variegata. A.M. '39. ....\$ .50
- CLARET VELVET** (Weed '41). M. Rich claret-purple. No pollen. Difficult pod parent. ....\$ .40
- CLEAR SAILING** (DeForest '50). E.-M. (Tiffanja x Coritica.) Lemon-ice yellow. Blood for this color and plicatas. H.M. '50. Net. ....\$16.50
- CLOTH OF GOLD** (Whiting '45). M. (Golden Hind x Golden Spike.) Tall, rich yellow of quality and always a good performer. A.M. '50. ....\$1.50
- CLOUD CASTLE** (Graves '44). M. (Sensation x Gloriole.) Huge light lavender-blue. Superb parent for blues and whites. A.M. '49. ....\$3.00
- CLOVELLY** (Tobie '40). M. (Easter Morn x Rose Dominion.) Odd sea-foam green. Net. ....\$1.00
- COLORATURA** (DeForest '46). M. (E. B. Williamson x Prairie Sunset.) Orange-russet. Blood for rich blends, oranges and reds. ....\$2.00
- COLOR CARNIVAL** (DeForest '49). E.-M. (Spindrift) x 6-44: ((Salar x Sandia) x (Prairie Sunset)). Pink with bold dashes of purple on falls. H.M. '50 .....\$10.00
- CONSOLATION** (Tompkins '50). M. (Blue Shimmer x Great Lakes.) Beautifully finished light blue. Very large of good substance. One of the best of this color we have seen. Net. ....\$8.00
- COOL LEMONADE** (Muhlestein '47). E.-M. (Electra x Bonanza.) Cool and refreshing as iced lemonade. A complete self, even to the beard. Starts the tall bearded season. Neither large nor tall, but so charming and clean we feel sure it will become one of your pets just as it has for us .....\$3.00
- COPPER BEECH** (Nesmith '50). M. (Ned Le Fevre x Sukey of Salem.)
- COPPER GLOW** (G. Douglas '45). M.-L. (Gay Troubadour) x ((Red Bonnet) x (Soldano x China Clipper)). Rich copper blend. Really startlingly bright. Superb blood for blends and reds. Fast of increase. H.M. '45. ....\$1.00
- COPPER RIVER** (DeForest '45). M. (E. B. Williamson x Fortune). Copper blend. Good breeding material for this color and reds. ....\$2.50
- COPPER CASCADE** (Kleinsorge '40). M. (Treasure Island x Far West.) Wide, rich brown. Net .....\$ .50
- CORDOVAN** (Kleinsorge '46). M. (314 x Bryce Canyon.) Coppery-brown of unusual finish. Splendid parent for reds and browns. H.M. '47. Net .....\$2.00
- CORITICA** (H. Sass '42). M.-L. (50-34): ((40 x Rameses) x (Amitola)) x (Tiffany). Lovely, clean yellow plicata, sister to Ruth Pollock...\$ .75
- CORNFLOWER** (Whiting '48). M. (Sea Blue x Great Lakes.) One of the bluest. Medium flowers on tall well branched stalks. ....\$2.50
- CORONADO** (Tompkins '45). E.-M. (Flora Campbell x Golden Spike.) Wide, early yellow. Blood for reds, rich yellows. ....\$1.00
- CORPORAL MARY** (Graves '49). M. (Snow Carnival x Katherine Larmon.) Very large, full cream-lemon with light area over falls. Heavy yellow beard. Top quality. Personality plus! Net .....\$10.00
- COURTESY** (Tompkins '50). M. (Blue Shimmer x Lovely Day) x (And Thou). One of the top ranking blue-whites with a heavy blue beard. Net .....\$1.00
- COURTIER** (D. Hall '47). E.-M. (42-10: Golden Eagle x 39-62) x (42-05: 40-34 x 39-62). Deep pink color. One of the finest parents in this color class to date. Net. ....\$3.50
- CREAM GOLD** (Muhlestein '47). M.-L. (Fort Knox x "Type Dore", a Sea Shell sdlg.) Yellow standards, white falls edged yellow. Does sometimes fleck due to W. R. Dykes blood. Proving a splendid parent. ....\$ .75
- CREAMO** (Fitzpatrick '45). E.-M. (Sdlg. x Golden Madonna.) Wide cream not unlike Amandine. ....\$1.00
- CRIMSON GLAZE** (Craig '50). M. (Naranja x Rich Raiment.) Brown-red bi-color, crimson glaze on falls.
- CUBAN CARNIVAL** (Sass Bros. '48). M. (Bertha Gersdorff x Moonlit Sea.) Richer Bertha Gersdorff type. Will breed unusual things from plicata lines, lemons, or Aladdin's Wish colors .....\$4.00
- CYNTHIA ANN PARKER** (Whiting '47). E.-M. (Shining Waters x Gloriole.) Good blue...\$1.00



- DAFFY** (DeForest '47). M. (Adelanto x Tiffany.) Unusual, different! No two falls brushed or marked alike and it produces this quality in many of its seedlings .....\$2.00
- DAMASCUS** (Tompkins '45). M. (Spring Prom x E. B. Williamson) x (Cedar Rose). Very similar to Rocket. Back of Tompkins' new "hot" red 50-90. Should be highly useful for orange, red, blend or yellow breeding.....\$1.50
- DARK FIRE** (Tompkins '49). M. (Bandit: Redward x Cape Bon) x (Ebony Echo). Deep black-red. Net .....\$10.00
- DANUBE WAVE** (Schreiner '47). E.-M. (Anitra x Narain). Large, full, ruffled marine-blue. H.M. '48 .....\$4.00
- DARK TOWER** (Mitchell '50). M. (Snow Flurry x Chivalry.)
- DAWN OF GOLD** (Salbach '40). L. (Bronze Beacon x San Francisco) x (Golden Majesty). Late yellow that will help to close the iris season. Blood for plicatas, reds and blends.....\$ .50
- DAWN OVERLAY** (Muhlestein '47). M. (Came-lina x City of Lincoln.) Flaring lemon-ice brushed with cinnamon-tan. Similar to Cuban Carnival. Blood for unusual "fancy" plicatas, lemons, blends and variegatas.....\$ .50
- DAYBREAK** (Kleinsorge '41). M. (Far West) x Jean Cayeux x Far West). Dark pink blend. Produces smooth seedlings. A.M. '43....\$1.00
- DEB'S DELIGHT** (D. Hall '46). M. (Undoubtedly 39-62 blood.) Large light pink.....\$1.00
- DEEP BUTTERCUP\*** (Muhlestein '48). E.-M. (Brown Betty x Golden Eagle.) Smooth bright yellow. Buds look like wax. Weak stalks for such large blooms, and falls are a bit narrow, but interesting for breeding because of its one-fourth onco blood. H.C. '47. Net.....\$2.00
- DEEP VELVET** (Salbach '39). M. (San Diego sdg. x Modoc.) Rich, enameled purple. Splendid parent. Could be used to advantage with "blacks." A.M. '42 .....\$ .50
- DESERT SONG** (O. Fay '46). M. (Snow Flurry x Golden Eagle.) Large, quality cream. Should be useful for breeding this color, yellows, whites, blues and shell pinks. A.M. '49..\$5.00
- DESERT SUNSET** (Milliken '47). E.-M. Very large buff-pink blend .....\$3.50
- DISPLAY** (Grant '42). M. (The Red Douglas x Christabel.) Fine red and should be a good parent for this color. H.M. '42.....\$1.00
- DISTANCE** (P. Cook '46). M.-L. (Castalia x Santa Barbara) x (Great Lakes). Smooth blue effective in clumps. A.M. '49.....\$5.00
- DIVIDEND** (G. Douglas '44). L. (Sundance x Glen Ellen.) Want a fine yellow to close the season? This is it.....\$1.00
- DOLLY VARDEN** (D. Hall '50). M. (Fantasy x Courtier.) Large pink with overlay of salmon. H.M. '50. Net .....\$20.00
- DOROTHY DIETZ** (Williamson '29). M. (Wyoming x Lent A. Williamson.) The first good amoena. Still useful for breeding. Easy pod parent \$ .50
- DOWAGER QUEEN** (Craig '50). M. ((Acropolis x Destiny) x (Tiffany x self)) x (Inspiration). Very large red purple deeper at hafts and near the yellow beard.
- DOWN EAST** (Tobie '43). M. (Castalia x Santa Barbara) x (Great Lakes). Dark purple, proving highly useful for darks and blues. H.M. '43. Net .....\$1.50
- DREAM ALONG** (Muhlestein '50). M.-L. (Daybreak x Three Oaks.) Very large pink blend with a lot of quality. A good parent.....\$3.00
- DREAMCASTLE** (P. Cook '43). M. (From: Geo. J. Tribolet, Dominion, Windham, Mme. Cherie, Morning Splendor, Susan Bliss x Rameses.) Extremely wide orchid, and produces this quality in its seedlings. Use varieties with good branching. A.M. '48.....\$3.50
- DREAM GIRL** (D. Hall '44). M. (40-34 x 39-62.) Clean, small pink .....\$2.00
- DREAMLAND** (Snyder '45). M. (Trojana x Pioneer) x (Ricardi x Moa). Large hollyhock red proving a fine parent for this color and yellow plicatas .....\$2.00
- DREAM LAKE** (Covert). M. (Buechley Giant x Blue Monarch.) Tall, large blue.....\$1.00
- DRUM MAJOR** (G. Douglas '47). M. (Display) x (((Francesco x Jeb Stewart) x Soldano)) x (Gal-lant Leader))). Bold red of royal blood....\$5.00
- DUSKY NIGHT** (Whiting '48). M. (Missouri x Mata Hari) x (Sable). Dark purple of quality showing its superb blood. Net.....\$1.00
- EASTER BONNET** (Maxwell-Norton '44). M. (Morocco Rose x Alastor.) Rodenite pink edged gold. H.M. '46.....\$1.00
- EASTER MORN** (Essig '31). M. (Calif. Blue) x (Argentina x Conquistador). Closely related to Purissima. A fine white and excellent parent either way. A.M. '33.....\$ .40
- EASTER SUNRISE** (C. Rees). E.-M. (Snow Flurry x Happy Days.) Big creamy yellow.....\$1.50
- EBONY ECHO** (Tompkins '48). M. (Cape Bon x Casa Morena.) Accent on form. Deep carmine with black-red overlay. Wide of parts. Top blood for reds. H.M. '49.....\$15.00
- EBONY ISLE** (DeForest '49). M. (Ethiophe Queen x Storm King). Black-red of rare and unusual finish. Smooth! H.M. '50.....\$15.00
- EBONY QUEEN** (Sass Bros. '47). M. (Dark sdg. x Sable.) Well branched, very dark black-purple. H.M. '47 .....\$3.00
- EDITH RORKE** (K. Smith '46). M. (Valentine x Florentine.) Precisely stitched blue and white plicata. H.C. '45.....\$2.00
- EDWARD OF WINDSOR** (Morris '45). M. (Sdgs. from: Sacramento, Mary Geddes and Golden Hind.) Odd pink break. Useful parent for new blood and vigor.....\$5.00
- ELAN\*** (White). E. (Sweet Alibi x Jocund.) One-fourth Onco blood. White.....\$ .50
- ELENA CHOOSING\*** (White '44). E.-M. (Answer x Jocund.) Buff blend with metallic blue in falls. Proving a splendid parent for blends. Easy parent .....\$1.50
- ELIGIBLE** (Snyder). M. (Dreamland x Sdg.) Fine new dark red. Net.....\$3.00
- ELIZABETH OF ENGLAND** (Miles '46). M. (Ty-phoon x Lagoon.) Exquisite light azure blue that holds its color. We are very happy to have obtained enough rhizomes to offer a limited supply this year to the American fancy. Des-tined to be very popular. Proving a remark-able parent. Net .....\$5.00



- ELLA CALLIS** (H. Sass '42). M. (2-34) x (Midwest Gem x Prairie Sunset). Brilliant! Yellow standards, orange falls. Sunburns, needs partial shade .....\$1.50
- ELMOHR\*** (Loomis '42). M. (Wm. Mohr x H 22.) Huge mulberry purple with all the magnitude and glamor of the largest tall bearded iris with the added charm of the full-flowered oncocyclis. Produces seed. We have seen some splendid seedlings from Elmoir x Great Lakes and Sable. Would think the following also useful to use with it: Red Waves, Brunhilde, Deep Velvet, Char-Maize, Gulf Stream, Gypsy Rose, Three Oaks, Cape Bon, Grand Canyon, Mulberry Rose, etc. Dykes Medal '45...\$1.00  
3 for \$1.75
- EL PASO** (Kleinsorge '49). M. (Tobacco Road x Goldbeater.) Lively golden-brown. Rich blood! H.M. '50 .....\$5.00
- ELSA SASS** (H. Sass '39). E.-M. (Tiffany x Orloff.) The first lemon-ice yellow. Still lovely when well grown. Splendid parent for this color and rich yellow plicatus. A.M. '41.....\$ .50
- ENVOY** (DeForest '49). M. (Ethiophe Queen x Sass sdlg. 41-83.) Near black. Standards glow with red tones. Highly praised from every quarter. Net .....\$12.00
- ESQUIRE** (Lothrop '45). M. (L 8-40 x Brunhilde.) Rich medium-deep purple with texture lines. Beautiful form and branching. Parent of Ben Bolt. H.M. '47.....\$3.00
- ESTATE** (Benson '49). M. (Birchbark x Bruno.) Wide chaste white self with superb substance. For the front of the border. Blood for whites, blues, reds, blends and creams.....\$4.00
- EVENGLOW** (Clevenger '48). M. Huge lobelia violet. Its size will astound you.....\$4.00
- EVENSENG\*** (Frazee '50). M. (N. J. Thomas x Sdlg.) Unusually wide, due, no doubt, to its Onco blood. Lovely shades of Mignon and Patriarch purple. Will set some seed. H.M. '50 .....\$7.50
- EXTRAVAGANZA** (G. Douglas '41). L. (Adios x Cortez.) Cream standards, red-purple falls. Exciting parent for neglecta and amoena breeding. A.M. '47.....\$3.50
- FABULOUS KATE** (Muhlestein '50). M. (Late Sun x Radiant) x (Pink Formal). Very large medium yellow with delightful form. There are some brown lines on the falls when first opened, but these soon clear away after a few hours. We think this will be highly useful for breeding pinks, blends, yellows and new colors associated with the tangerine beard. Highly fertile pollen ..;\$10.00
- FAIR DAY** (McKee '49). M. ((Miobelle x Misty Rose) x (Moontide)) x (Moontide). Very wide, heavy-substanted yellow amoena in the Pinnacle color range. Will be a superb parent for this color as well as rich yellows, blends or reds. H.M. '49 .....\$10.00
- FAIR ELAINE** (Mitchell '38). E.-M. (Happy Days x California Gold.) Yellow bi-color—almost an amoena. A.M. '40.....\$ .50
- FAIRY FOAM** (Mitchell '48). M. Lightly marked plicata .....\$3.50
- FALL DAYS** (K. Smith '47). M. (Matula x Orange Glow). Brown blend. H.M. '47.....\$10.00
- FANTASY** (D. Hall '47). M. (40-97): (Lullaby x 35-40: Dauntless x Rameses) x 39-62: ((36-1: W. R. Dykes x Morocco Rose) x Morocco Rose)). Lovely orchid with tangerine beard. Parent of Cherie and other new pinks. A.M. '49...\$10.00
- FAR WEST** (Kleinsorge '36). M. (145: Mme. Cecile Bouscant x Dolly Madison) x President Pilkington). Remarkable break in breeding from which stem those wonderful blends, yellows, and even whites. H.M. '37.....\$ .40
- FAVORI** (Cayeux '34). M. (Marc Aureau x Cardinal.) Rich grape-purple.....\$ .35
- FIRECRACKER** (D. Hall '43). M. (Orloff x Elsa Sass.) Very bright yellow and red plicata. Splendid parent. H.M. '43.....\$2.50
- FIRE DANCE** (O. Fay '47). M. ((Elsa Sass x Orloff) x (sister sdlg.)). Lovely, heavily marked, red plicata. Would like to see seedlings from this and Rare Marble. H.M. '47.....\$6.00
- FLAMING FIRE** (J. Sass-Austin '50). M. (The Red Douglas x Prairie Sunset.) Very large red, lacking just a bit in substance, but should be a superb parent for reds and rich blends.\$4.00
- FLORADORA** (D. Hall '47). M. (42-10 x 42-05.) Large flamingo pink.....\$3.00
- FLORENTINE** (Cayeux '37). M. (Chaldee x Sigurd.) Very large over-all patterned white plicata. A.M. '40 .....\$ .50
- FLURRY MOHR\*** (C. Rees '50). M. (Snow Flurry x Capitola.) Extremely large violet-purple. Standards a bit weak for such huge flowers. We discovered this makes a wonderful single-flower arrangement, or an ideal one to use for flat-dish work if the standards are bent down under the falls. If you cannot grow the Japanese Iris this is for you. It is breathtaking either in the garden or in arrangements if made into a "flat" iris. Your friends will be amazed .....\$3.50
- FLUTED ARROW** (M. Tharp '46). M. ((Zasu x Susan Bliss) x (Midwest)) x (Christine Gray). Ruffled white plicata of pallida breeding. A Diploid .....\$1.00
- FORT KNOX** (Milliken '41). E.-M. (Sungold x Chosen.) Beautifully formed light yellow. A.M. '44 .....\$1.00
- FORT TICONDEROGA** (Orange Glow x Matula.) Stunning tones of rich copper and red..\$10.00
- FORTUNE** (Kleinsorge '41). M. (Old Parchment) x ((Tuscany Gold x) x (Rameses)). Light copper with rich yellow undertones. Fine breeder if used with tall varieties. Blood for reds...\$ .50
- FORTUNE'S FAVOR** (DeForest '44). M. (E. B. Williamson x Fortune.) Large tan blend...\$2.00
- FRANCELIA** (McKee '45). M. (Golden Majesty) x (Helios x Janet Butler). Good large yellow. H.M. '44 .....\$2.00
- FRANK ADAMS** (Lapham '37). M. (Rameses x Jerry.) Rosy buff variegata. Easy grower. Fine blood for reds and will breed tangerine-bearded pinks when bred with them. A.M. '40 .....\$ .50
- FRANK DRAKE** (Grant '47). M.-L. (Snoqualmie x Golden Treasure.) Yellow standards, white falls flushed chartreuse around beard...\$2.00



- FRANKLIN B. MEAD** (Mead-Reidle '36). M. (Los Angeles x True Charm.) Los Angeles-type plicata. Very vigorous with lush foliage. . . . \$ .50
- FROSTY BLUE** (Whiting '41). M. (Shining Waters x Gloriole.) Large blue . . . . . \$ .75
- GALA FINALE** (DeForest '50). E.-M. (Vision of Mirza x Firecracker.) Yellow heavily overlaid indian red, and appears, from a distance, to be red. Top blood for plicatas. H.C. '49. Net . . . . . \$16.50
- GALLANT LEADER** (Wiesner '39). M. (Morning Splendor x Germaine Perthuis) x (Depute Nomblot). Fine wide red-purple. Quality blood for reds. The parent of Bellerive and other good seedlings. H.M. '39. . . . . \$1.00
- GALLANTRY** (Whiting '45). M. (Winneshiek x Mata Hari.) Ruffled medium-deep blue reminiscent of Chivalry. . . . . \$3.00
- GARDEN FLAME** (H. Sass '41). M. (83-34: sdgls. from King Tut) x (Miss Aravilla x 35-29: King Tut x Cardinal). Lovely, bright red. Should be fine for use with tall reds like Gypsy Rose, Velvet Mantle, etc. A.M. '43. . \$1.00; 3 for \$2.00
- GARDEN GLORY** (Whiting '43). M.-L. (The Red Douglas x Garden Magic.) Accent on beauty of form and finish. Red-purple, smooth and glorious. Proving a delightful parent. A.M. '47 . . . . . \$3.00
- GARDEN MAGIC** (Grinter '36). M.-L. (Wotan x Ella Winchester.) Splendid red and equally gratifying as the parent of Garden Glory, Ranger and other fine reds. A grandchild of Dominion (through Wotan) which would account for its ability to put quality into its seedlings. H.M. '37. . . . . \$ .75
- GAY BLADE** (Muhlestein '51). See Introductions.
- GAY BORDER** (DeForest '49). E.-M. (Tiffanja x Sister to Patrice.) White plicata evenly bordered maroon. H.M. '49. Net. . . . . \$7.50
- GAY ORCHID** (Muhlestein '49). E.-M. (Nylon x Golden Eagle.) Large flaring orchid with tangerine beard. Splendid parent for this color, pinks and salmons. H.M. '49. . . . . \$7.50
- GAY SENORITA** (Salbach '44). M. (Alta Calif. sdg. x Miss Calif.) x (Happy Gift sdg.). Large variegata with falls heavily lined with chestnut. Produces unusual seedlings. H.M. '45. Net . . . . . \$1.00
- GEMS OF TOPAZ** (Wilson '48). E.-M. (Prairie Sunset x Tobacco Road.) Heavy subenced topaz colored blend. Should produce rich seedlings . . . . . \$5.00
- GENERAL MAC ARTHUR** (National '43). M. Helios x Alta Calif.) Huge cream.
- GENERAL PATTON** (Kleinsorge '47). M.-L. (310 x Bryce Canyon.) Deep red-copper. Somewhat slow of increase here, but fine color and breeding possibilities for blends and reds. H.M. '47 . . . . . \$6.00
- GENTLE FLORENCE** (C. Taylor '47). E.-M. (Snow Flurry x Violet Symphony.) Good blue-white with better stalk than its parent S. F. Useful blood for blues, violets and whites. H.M. '47 . . . . . \$3.00
- GILT EDGE** (Whiting '41). M. (Happy Days x Matula.) Yellow bi-color. Falls have light area in falls. Proving a dramatic parent for many colors . . . . . \$ .75
- GLADY'S MONCRIEF** (Aylett '44). E.-M. (Oregon Sunshine x Golden Hind.) Done in the manner of Pinnacle. Looked very good here last year and should be highly useful for hybridizing purposes. Only a few plants to offer this year. Net . . . . . \$10.00
- GLAD TIDINGS** (Whiting '47). M. (Amitola x Copper Piece) x (Amaranth). Rich wax-yellow. Wide! Superb parent. Net. . . . . \$3.00
- GLISTENGLOW** (Muhlestein '49). E.-M. (Snow Flurry) x (Geneiveve Serouge x Mount Cloud). Very wide, heavy-substanced white. Enough ruffling and character to give it a strong personality. Branching rather poor, its only fault, but we think you will call it magnificent. H.C. '47 . . . . . \$7.50
- GLORIOLE** (Gage '33). E.-M. (Souv. de L. Mischaud x Queen Caterina.) Light, frosted blue, considered a great parent, but lovely in its own right. A.M. '35. . . . . \$ .50
- GLORY** (Kinish '47). E.-M. (Shining Waters x Gudrun.) Light creamy yellow. Fine blood for blues, creams, whites, blues and yellows. \$2.00
- GOLDBEATER** (Kleinsorge '44). M. (Rebellion x Naranja) x (Far West). Richest yellow. Proven fine parent for blends and yellows, but should be equally good for red breeding. H.M. '45 . . . . . \$1.50
- GOLDEN EAGLE** (D. Hall '42). M. (38-26); ((36-11: W. R. Dykes x Dolly Madison) x (Morocco Rose)) x (Prairie Sunset). Smoothest rich yellow. Beautiful flaring form. May lack a bit in substance and its seedlings may have weak branches, but I consider it tops for hybridizing, as does, surely, its hybridizer, for it is back of almost all of D. Hall's "Flamingo" pinks. Still holds promise for breeding work in shell pinks, yellows, blends and possibly reds. H.M. '42. \$1.00
- GOLDEN EPAULETS** (Grant '46). M. (Sunday Best x Chosen.) Almost a yellow amoena, and I believe it will be highly used for such breeding to good advantage. The "epaulets" on the hafts make it quite distinctive. Blood here for shell pinks since D. Hall's 36-34 is the pod parent of Sunday Best. Net. . . . \$1.00
- GOLDEN FLEECE** (J. Sass '40). M. (Siegried x Dore.) Standards light lemon-yellow, falls white bordered lemon. Buds tinged with lavender. Blood for this color, plicatas, blends, variegatas and no telling what else. A.M. '42 . . . . . \$1.00
- GOLDEN HIND** (Chadburn '34). E.-M. (Gold Imperial x W. R. Dykes.) Brilliant buttercup yellow. English Dykes Medal '34. . . . . \$ .40
- GOLDEN PLOVER** (DeForest '50). M. (Calderilla x Tobacco Road.) Deeper than chamois or honey-yellow. Net . . . . . \$15.00
- GOLDEN RUFFLES** (C. Taylor '46). M. (Margaret Bond x Vivacious.) Smooth, wide and showy yellow. Always commanding! Probably has an upset number of chromosomes for it has no pollen and is a very difficult pod parent, and therefore may produce unusual seedlings if it can be induced to do so. Pollens that worked on it for me last year: Baghdad, Fabulous Kate and another Pink Formal seedling: 49-21-50. A.M. '49 . . . . . \$3.00



- GOLDEN RUSSET** (D. Hall '46). M. (Invictus x 38-52) x (Golden Eagle). Gigantic russet that will simply "stun" visitors when well grown. Fine blood for this color, yellows, pinks, and possibly reds and variegatas. H.M. '47..\$3.50
- GOLDEN SPANGLE** (Cassebeer '44). E.-M. (Evolution x Happy Days.) Brighter yellow Golden Fleece type. Tall. H.M. '44.....\$ .50
- GOLDEN SYMPHONY** (Horton '44). L. (Plurabelle x Rameses.) Lavender-blue standards brilliant yellow falls. Stunning, and it will close the bearded iris season for you. Destined to be popular. H.M. '50.....\$7.00
- GOLDEN TREASURE** (Schreiner '36). M. (Pluie D'or x W. R. Dykes.) Light golden yellow. A.M. '38 .....\$ .50
- GOLD RUFFLES** (Muhlestein '47). M.-L. (Mary Rich Lyon x Midwest Gem.) Large heavily ruffled medium yellow. Some lines at the haft, but quite a lovely flower nevertheless, and a remarkable parent for pinks, creams, blends and yellows. Would like to see this crossed on Snow Flurry, Glistenglow or New Snow. Its pink grandchildren are superb. H.M. '48..\$4.00
- GOLD SOVEREIGN** (Whiting '49). M. (Ola Kala x Rocket.) Simply stunning is this richest orange-yellow. Top blood for vivid colors in yellow, orange and possibly reds. H.M. '50. Net..\$10.00
- GOOD NEWS** (Kleinsorge '46). M. (Mexico x Tobacco Road.) Glistening golden brown. Believe this is my favorite of such colors. H.M. '47. Net .....\$2.50
- GRACE MOHR\*** (Jory '35). E.-M. (Wm. Mohr x Yel. Mitchell sdlg.) Proving a worthwhile parent with Capitola lines. Flaring veined violet. A.M. '39.....\$ .75
- GRAND CANYON** (Kleinsorge '41). M. (Treasure Island x Far West.) Rich plum and copper blend. Overlooked as a parent. Would suggest using Gypsy Rose, Cape Bon, Honeyflow, Casa Morena, Three Oaks, Dream Along, Sunset Road, Susitna Sunset. A.M. '44.....\$ .75
- GRATITUDE** (Snyder '50). E.-M. New red. H.C. '49. Net .....\$6.50
- GREEN LAKES** (Cousins '38). M. (Dominion sdlg. x Conquistador sdlg.) Quality blue that has been widely used as a parent and with great success. Dykes Medal '42.....\$ .75
- GREENGLOW** (Muhlestein '49). E.-M. (Sister to Glistenglow.) Very large, full greenish-chartreuse white. Should be highly useful for breeding toward greens or for creams, blues and whites. H.C. '48.....\$7.50
- GREEN MOHR** (Muhlestein '50). See Introductions.
- GREEN PASTURES** (Heller '47). E.-M. (Old Ironsides x Oregon Sunshine.) Yellow-chartreuse self. Form could be improved and may be a difficult grower in some sections—especially the mid-West, but of interest for hybridizing. Bluish-tipped beard. H.M. '47. Net.....\$4.00
- GREEN SHADOWS** (H. Sass '43). M. Sulphine yellow self. Odd, but unusually fine in some seasons .....\$2.00
- GREEN WHISPER** (Joyce Buton '49). M. (Matterhorn x Jake.) Kidskin white with greenish undertones. Should be useful for whites, greens, lemons and plicatas. Net.....\$8.00
- GREIG LAPHAM** (Gage '48). M. (Spun Gold x Gloriele sdlg.) Smooth, mellow, lovely medium yellow. H.M. '48. Net .....\$4.00
- GROS GRAIN\*** (Craig '50). (Wm. Mohr) x (Purissima x Gudrun). Grey-lilac veined violet.
- GULF STREAM** (O. Fay '46). E.-M. (Dymia x Narain.) Very dark blue-black. Highly valuable for "black" breeding. Stunning. H.M. '46. Net .....\$3.00
- GYPSY** (Kleinsorge '45). L. (Rebellion x Naranja) x (E. B. Williamson). Wonderful variegata. Blood for this color, blends, reds and oranges. H.M. Net .....\$1.00
- GYPSY BARON** (Schreiner '42). M. (Claribel x Mme. L. Aureau.) Almost a purple self, this heavily marked plicata.....\$1.00
- GYPSY MAID** (Gage '45). M.-L. (Arethusa x Red Bonnet.) Pinkish blend not unlike Lancaster but taller and better branched. Fine blood for reds .....\$1.00
- GYPSY ROSE** (Whiting '46). M. (Amaranth x Three Oaks.) Tall, well branched, red-copper blend. Rich and wide of parts; cannot miss as a top parent. We bloomed some lovely things from it x Miogem. Finest blood for reds. H.M. '49 .....\$4.00
- HALLELUIAH** (Welch '46). E.-M. (Gudrun x Easter Morn.) Fine quality cream. Sister to B 50, the parent of Blue Blazes. We think this cream will be most useful for blue, cream, white, pink and yellow breeding .....\$2.00
- HAPPY VALLEY** (Miess '50). M. (Mountain Sky x Narain.) Lovely medium blue. Splendid breeding for blues—either dark or light.....\$12.50
- HARRIET THOREAU** (P. Cook '44). M. (Sister to Dreamcastle.) Clean orchid-pink. Fine parent. H.M. '45 .....\$1.00
- HARMONETTA** (White '45). E.-M. (Probably Purissima blood.) Splendid, clean, light blue. \$2.00
- HEART'S DESIRE** (J. Wills '50). M. (Copper Pink x True Love.) Rose red, falls brushed copper at hafts.
- HEATHER ROSE** (D. Hall '50). M. (44-41: 42-26 x Overture) x (Courtier). Large rosy orchid-pink.
- HEIGHO\*** (Craig '9). M. (Purissima x Capitola.) This is my favorite of the Purissima x Capitola seedlings I have seen thus far because of its very heavy substance and the signal patch at the beard. Extremely vigorous. H.M. '49..\$20.00
- HELEN COLLINGWOOD** (K. Smith '49). M. (Extravaganza x Louise Blake.) Beautiful, superb neglecta. Almost an amoena—will be highly useful for hybridizing, surely. H.M. '50. Net .....\$20.00
- HELEN FITZGERALD** (H. Thorup '48). E.-M. (Purissima x Wasatch) x ((Dolly Madison x W. R. Dykes) x (Souv. de Mme. Gaudichau x Ricardii)). Smooth lobelia violet self. Such self colored iris are rare. This is a very large flower. Superb as an exhibition variety. Would recommend it as a splendid parent for whites, plicatas, pinks, blues and possibly amoenas to give them size and vigor. H.M. '49.....\$7.50



- HELEN MCGREGOR** (Graves '46). E.-M. (Purissima x Cloud Castle.) Superb light blue. Does fade in hot sun, but if planted in partial shade is magnificent. A wonderful exhibition flower, and will undoubtedly go down in history as a great breeder for blues and whites. Dykes Medal '49 .....\$5.00
- HELEN MCKENZIE** (Graves '50). M. (Franconia: Alba Monte x Snowking) x (Mt. Jefferson: Snow Carnival x Cloud Castle). Pure white—not a touch of off color. Highly praised. H.M. '50. Net .....\$22.50
- HERITAGE** (D. Hall '49). M. (Tally Ho x Courtier.) Well formed smooth pink. H.M. '49. Net.\$15.00
- HIGH COMMAND** (Long). M. (Eternal City x Louvois.) Very large brilliant, different, variegata. Splendid. A limited supply. Net.....\$3.00
- HI TIME** (D. Hall '50). M. (42-07: Golden Eagle x 39-62) x (Premier Peach). Lovely golden apricot self. One of Hall's best. We think it holds great promise as a breeder, and of course it has good garden value. H.M. '50.....\$12.00
- HIT PARADE** (D. Hall '47). E.-M. (Sister to Courtier.) Large pink with deep tangerine beard .....\$4.00
- HONEYFLOW** (Tompkins '44). M. (Aztec Copper x Veishea.) Smooth meadowsweet rose, brushed copper. Proving a remarkable parent for rich blends, coppers and tans. H.M. '46.....\$2.00
- HOOGIE BOY\*** (Muhlestein '49). E. (I. hoogiana, regelia) x (Genevieve Serouge x Salutation). Will start the bearded season. Wisteria-violet brushed gold at hafts. Gold beard. Fertile pollen and sets some seed. H.M. '49.....\$3.00
- HOOGAN\*** (Samuelson '47). E.-M. (I. hoogiana x San Francisco.) Tall blue, lacking a bit in substance and strength of stem, but useful for hybrid vigor. Blood for blues, plicatas and possibly whites. Fertile both ways.....\$2.00
- HOWARD WEED** (Kleinsorge '47). M. (314 x Bryce Canyon.) Light red-brown self....\$2.50
- HURRICANE\*** (Craig '9). M. (Purissima x Capitola.) Large powder blue sometimes flecked with deeper blue. H.M. '49.....\$15.00
- ICY BLUE** (Weed '40). M. Fine clear light blue .....\$ .50
- ILLINOIS** (D. Hall '49). M. (42-26: Gay Troubadour x Mandalay) x (41-45: Invictus x Spring Chimes). Large creamy-yellow self. May be useful for breeding pinks. H.M. '50.....\$6.00
- ILLINOIS SUNSHINE** (Faught '46). E.-M. (Happy Days x Jean Cayeux). Very large brilliant yellow. May produce rich blends, oranges and shell pinks, H.M. '49.....\$2.00
- ILLUSION\*** (Kleinsorge '43). L. (Ormohr x Red Cross.) Lovely orchid self. Blooms out all within a week, its only fault. Will set some seed. H.M. '47 .....\$2.00
- IMPERIAL POMP** (H. Schirmer '49). M. (Valor x Ashes of Roses.) Stunning rich purple. Beard tipped purple. Should be useful in the production of reds, deep purples and blacks...\$12.50
- INDIANA NIGHT** (P. Cook '42). M.-L. (Valor x Sable.) Large, blue-purple. A.M. '44.....\$1.50
- INDIAN RED** (H. F. Hall '49). M. (R-64: ) x (Color Sergeant). Pompeian red with coppery-rose undertones. Net .....\$7.00
- INNOVATION** (D. Hall '45). M. (Claribel x Sachem) x (Orloff). Yellow plicata trimmed neatly in rose. H.M. '47.....\$1.00
- INSPIRATION** (Stevens '37). E.-M. (Pioneer x Magnifica, F 2.) Simply huge mulberry-pink. Always popular .....\$1.00
- ITALIAN JOY** (Stevens '47). M.-L. (Firelight x Copper Rose.) Standards rosy-wine flushed bronze, falls fuchsia. Great garden value. \$2.50
- JAKE** (J. Sass '43). M. (Tiffany x Maid of Astolat.) White with inner glow of lemon. Always a good performance. Fine blood for plicatas and lemons .....\$ .60
- JANE PHILLIPS** (Graves '50). M. (Helen McGregor x Sister to Bay State: Pale Moonlight x Great Lakes.) Deeper in color than Helen McGregor, but it possesses much of the same quality. H.M. '50.
- JASMINE** (Grant '44). M. (Sunday Best x Radiant.) Brilliant medium, but rich, yellow that may be useful for hybridizing oranges, yellows and blends—even reds. H.M. '44.....\$2.00
- JASPER AGATE** (Mrs. T. A. Williams '43). M. Junaluska x Consort) x (Cheerio). Brilliant low growing red-copper. Splendid parent when used with tall varieties. H.M. '44.....\$1.50
- JERRICO** (McKee '50). M. (Miobelle x Misty Rose) x (Moontide). New orange-yellow. Rich and commanding. H.M. '50.
- JOAN LAY** (Chadburn '39). M.-L. (Purissima x Gold Imperial) x (Golden Hind). Brilliant yellow. A.M. '41.....\$ .75
- JOCUND\*** (White). E. (Oncocyclus x T. Bearded.) Yellow hybrid. Somewhat fertile pollen...\$ .50
- JOPPA PARROT\*** (White '48). E. (Onco-hybrid.) Yellow-beige flecked cinnamon, violet and mahogany. Very potent pollen. Produces unusual seedlings. Very difficult to grow, however. Net .....\$5.00
- JOSEPH'S MANTLE** (Craig '49). M. (China Maid x Tiffany) x (Mitchell sdlg: (((Seduction) x (((Mitch. 1-115) x ((Sherbert v Yel. B1) x (Alcazar x Esplendido))) x (Bronze Beacon x San Francisco))). Stunning brushed plicata, and a dependable re-bloomer.
- JULIET** (Kleinsorge '46). E.-M. (269 x Prairie Sunset.) Flame-copper and salmon. H.M. '47.. \$2.00
- JUST ANNIE** (Muhlestein '51). See Introductions.
- KATHERINE FAY** (O. Fay '45). M. (Gloriole x 39-3, a Selene sdlg.) Large slightly ruffled, wide white. Superb blood for blues and whites. A.M. '47 .....\$2.00
- KEEP 'EM FLYING** (Lyll '42). M. (Evolution x Waconda.) Bronzy red with the changeable colors seen on a pigeon's breast.....\$ .50
- KOREA** (Whiting '48). M. (Arab Chief x Cedar Rose.) Red-brown self. Splendid blood for reds, browns and rich blends.....\$4.00



- LADY ALBRIGHT** (Muhlestein '50). M.-L. (Veishea x Bronzed Copper.) Standards "Dianthus" (copper), falls Amaranth (rosy deep lavender) edged color of standards. One of the most colorful blends I have seen and surely the richest I have introduced. C.O.C. '49. H.M. '50. Limited stock. Net.....\$15.00
- LADY BOSCAWEN** (Graves '46). E.-M. (Purissima x Cloud Castle.) Large white of quality. Sister of Helen McGregor. Can's miss as a parent for blues and whites. A.M. '48.....\$5.00
- LADY DOZIER\*** (Dozier '51). See Introductions. H.C. '49.
- LADY LOUISE** (Graves '47). M. (Snow Carnival x Katharine Larmon: Jean Cayeux x Summer Tan.) Sister to Corporal Mary. Colonial buff (yellow) standards, white falls edged color of standards. Interesting blood for use with blends, shell pinks, whites and blues. H.M. '47.....\$8.00
- LADY MOHR\*** (Salbach '44). E.-M. (King Midas x Alta Calif.) x (Capitola). Oyster and char- treuse with suggestion of a "brown" signal from the beard area. Always dependable to perform well. Holds up under adverse weather conditions. A.M. '46.....\$1.50
- LADY NAOMI** (O. Fay '41). M. (Violet Crown x Shining Waters.) Heavily marked and dotted plicata. Said to be especially useful with "Mohr" lines, H.M. '42.....\$ .50
- LADY OF SHALOTT** (Schreiner '42). M. (Rosy Asia x Mme. L. Aureau.) Delicately marked pinkish plicata .....\$ .75
- LAKE BREEZE** (O. Fay '45). E.-M. (Gloriole x Ballet Girl.) Delightful light blue. No pollen. Difficult pod parent. H.M. '45.....\$1.50
- LAKE GEORGE** (K. Smith '45). M.-L. (Prob. Madam Ulmann.) Blue-violet, flaring falls. Splendid blue parent. H.M. '45.....\$2.00
- LAKE SHANNON** (DeForest '45). M. (Souv. de Loetitia Mischaud x Jean Cayeux) x (Great Lakes). Medium blue with texture veining. Said to be a fine blue parent with Snow Flurry. Should be good for blue blends, too. H.M. '46.....\$3.00
- LAKE TENAYA** (Miess '50). M. (Mountain Sky x Great Lakes.) Splendid new blue with accent on form and quality. Top blue blood. H.M. '50.....\$8.00
- LAMPLIGHT** (Schreiner '44). M. (Amitola x Angelus.) Luscious peach-buff blend. Superb blood for breeding blends, pink and possibly reds .....\$2.00
- LAMPLIT HOUR** (Tompkins '47). M. (Lancaster x Honeyflow.) White standards, yellow falls. Will surely prove a useful parent for this color, blends, and possibly pinks. Breed to varieties with heavy stalks.....\$3.50
- LATE GUEST** (Muhlestein '46). L. (City of Lincoln x Royal Command.) Brown-red variegata that will help to close the season. Blood for this color, plicatas and possibly neglectas and amoenas .....\$1.00
- LAUREL HILL\*** (G. Plough '49). M. (Wm. Mohr) x (Esplendido x Bruno). Rosy-red-lavender with Mohr shape and veining. Sets seed. Blood for reds, plicatas and blends.....\$5.00
- LAVENDER AND GOLD LACE** (Whiting '46). M.-L. (Moonglow x Matula.) Yellow standards flushed lavender. Falls lavender with yellow lace edge .....\$1.00
- LEADING LADY** (Lyll '50). E.-M. (Whiting 40-87: Matula x Midwest Gem) x (Yel. sdg. probably Happy Days x self). Yellow standards, white falls edged yellow. Lovely in established clumps. H.M. '50. Net.....\$7.50
- LEILANI** (Washington '43). M. (Copper Crystal x Melitza.) Orange-pink with lines in falls. Considerable garden value. H.M. '45.....\$4.00
- LIGHTHOUSE** (Salbach '36). L. (Helios x Rameses.) Blend with inner light. A.M. '40.....\$ .50
- LIGHTS ON** (Lapham '46). M. (Christabel x Red Gleam) x ((Red Sails x Jerry) x (Red Gleam)). All red breeding. Produces fine reds. Would suggest breeding to tall varieties like Red Valor, Ranger, Dreamland, Aria, Apex, Gypsy Rose, Velvet Mantle, Moontide and Solid Mahogany. H.M. '46.....\$5.00
- LILAC LANE** (Whiting '48). M. (Purissima x Matula) x (Gilt Edge). Splendid light colored lilac self. H.M. '48. Net.....\$8.00
- LITTLE LAKE\*** (Muhlestein '51). See Introductions.
- LORD DONGAN** (K. Smith '40). M.-L. (Andante x Dauntless) x (Nene). Rich, broad Chinese-violet and pansy-violet. H.M. '40.....\$1.00
- LOS ANGELES** (Mohr-Mitchell '27). M. (Conquistador x Parisiana) x (Esplendido). Lightly marked white plicata. Splendid parent—good blood for blues, whites and plicatas. A.M. '44.....\$ .40
- LOTHARIO** (Schreiner '42). M. (M. M. Lassilly x Winneshiek.) Beautiful, large neglecta, Rich. H.M. '45.....\$1.50
- LOUISE BLAKE** (K. Smith '43). M. (M. M. Lassilly x Wabash.) Neglecta in near-amoenas coloring. Parent of Helen Collingwood. A.M. '47.....\$1.50
- LOUVOIS** (Cayaux '36). M. (Fetich x Roi Soleil) x (Iceberg x Evolution). Maroon-brown, falls bordered lighter. Different.....\$ .50
- LOVE AFFAIR** (Mitchell '46). E.-M. (Two sdgs.) Large rose-pink plicata .....\$1.00
- LOVELACE** (Mitchell '48). M. (Two plic. sdgs.) Lightly marked plicata. H.M. '48.....\$7.50
- LOVE STORY** (Mrs. J. A. Sapp '50). M. (Golden Eagle x D. Hall's 43-18.) Perky, flaring new flamingo pink. Tall, well branched stalk. Highly recommended by all who see it. H.M. '50.....\$15.00
- LUCERNE** (Salbach '40). M. (Shining Waters x Brunhilde.) Lovely medium blue that always sells out. Splendid blood for blues.....\$ .50
- LUGANO** (R. Cayeux '48). E.-M. Medium sized, tall, clean white with lemon-green cast which might indicate plicata blood. Recommended as a dependable rebloomer.....\$7.50
- LYNN LANGFORD** (D. Hall '46). M. Smooth orchid with gold outpouring on hafts. A.M. '50. Net .....\$3.50
- MABEL CHADBURN** (Chadburn '41). M. (Sister to Joan Lay.) Corrected spelling. Yellow. English Dykes Medal winner '41.....\$2.00



- MADAM MAURICE LASSAILLY** (Cayeux '35). M. ("Armor" x "Carillon".) Quality neglecta. Dykes Medal France '35 .....\$ .50
- MADAM MOHR\*** (Becherer '51). See introductions.
- MAGIC WAND** (Kleinsorge '46). M. (Tobacco Road x Daybreak.) Tan blend.....\$1.50
- MAGNOLIA** (Stevens '39). E-M. (Shasta x Mrs. Valerie West.) Creamy-yellow. Parent of Pinnacle .....\$4.00
- MANDALAY** (D. Hall '43). M. (35-40: Dauntless x Rameses) x (May Day). Flaring reddish-tan-copper. Good red and blend possibilities. H.M. '43 .....\$ .50
- MANJUN\*** (Baker '49). E-M. (Plicata x I. Lorteti.) Large chrome yellow self, orange beard. Sets seed easily. Limited stock.....\$10.00
- MANYUSYA** (J. Sass '44). M. (No-we-ta x .) Ruffled orchid-pink .....\$1.00
- MAPLE SUGAR** (Whiting '48). M.-L. ((Marisha x Amitola) x (China Maid)) x (Harvest Moon). Luscious maple-tan. Blood for blends and pinks .....\$3.50
- MARATHON** (Whiting '48). M. (Mellowglow x Cedar Rose.) Similar to Mellowglow. Splendid breeding for blends, tans.....\$4.00
- MARIMBA** (DeForest '44). M. (Salar x Far West.) Cinnamon blend. Blood for plicatas, oranges and blends .....\$ .75
- MARION VAUGHN** (K. Smith '47). M. (Elsa Sass x Wood Thrush.) Clean lemon-yellow....\$7.50
- MAROON DAMASK** (Kleinsorge '46). M. (Mexico x Red sdlg.) Deep, rich red.....\$1.50
- MARQUITA** (Cayeux '31). M. (Symphonie x Helios.) Ivory, falls veined watermelon...\$ .40
- MARTIE EVEREST** (Kirk-McDade '35). E-M. Re-blooming blue .....\$ .35
- MARY CLOTILDE** (Kinish '44). E-M. (Blue Triumph x Shining Waters.) Smooth, clear blue. Delightful spicy perfume. Produces lovely seedlings. Should be used with very large varieties.\$1.00
- MARY ELLEN** (McKee '47). M. (Mary Vernon x Miobelle.) Ox-blood red bi-color, not unlike Mexico. Rich blood for many colors. H.M. '47 .....\$3.50
- MARY E. NICHOLLS** (Nicholls '39). M. (Valor x Lucero.) Cream-white with gold at hafts. A.M. '43 .....\$ .40
- MARY RICH LYON** (E. Callis '27). E-M. (Purissima x Pluie D'or.) Dirty greenish-white. May be useful for breeding greens. Gave me Gold Ruffles and 44-67 (a shell pink-salmon) from one pod .....\$ .75
- MRS. J. L. GIBSON** (Gibson '30). M. (Dominion x Souv. de Mme. Gaudichau.) Smooth, rich purple. Known also as Masie Lowe. Blood for blues and purples. Won English Dykes Medal 1948 .....\$ .50
- MASKED BALL** (W. Buss '49). M. (Gypsy Baron x .) White plicata. Standards so heavily marked it appears to be a reverse amoena.....\$12.50
- MASTER CHARLES** (M. Williamson '44). M. (BB 2932 x .) Glowing Mulberry. A good performer. A.M. '46.....\$1.50
- MATTIE GATES** (Sass Bros. '46). M. (Golden Fleece) x (40-371, two yel. plics.) A beauty done in very bright lemon and white spangling. A.M. '50 .....\$10.00
- MATULA** (H. Sass '39). M. (22-31: ((Rameses x King Tut) x (Cardinal)) x (Amitola). Rich ruffled blend. Producer of wonderful colors. Should be useful for red breeding. H.M. '39 .....\$ .40
- MAY CHARM** (Whiting '48). M. (Mirabelle x Angelus.) Pink blend sister to Pathfinder. Net \$1.00
- MAYTIME** (Whiting '50). M. (Pathfinder x Shanopin.) Rosy-pink amoena. H.M. '50.
- MELANIE** (Hill-son '41). M. Tall, well branched pink-orchid blend .....\$ .50
- MELODIST** (DeForest '46). M. (Salar x Tobacco Road.) Large flaring henna blend. H.M. '47 .....\$3.50
- MELODY LACE** (Muhlestein '46). M. (Mme. L. Aureau x Tiffany.) Refined primrose plicata edged lavender-pink. Beautiful, ruffled buds \$1.00
- MELODY LANE** (D. Hall '49). E-M. (? Stardom x ? 42-05.) Large golden apricot. H.M. '50. Net .....\$10.00
- MELLOWGLOW** (Whiting '42). E-M. (Midwest Gem x Fiesta.) Luscious apricot blend. Good parent for blends and shell pinks. H.M. '42 .....\$3.00
- MERRY ROSE** (Muhlestein '48). M.-L. (Lancaster x Daybreak.) Smooth rose. Highly branched but its seedlings have good branching.....\$1.50
- MEXIA** (Whiting '47). E.-M. (Sister to Three Oaks.) Lovely pink blend .....\$1.00
- MEXICAN MAGIC** (Whiting '47). M. (Crimson Tide x E. B. Williamson) x (Veishea). Blend of Spanish-red, brilliant blue and molten copper. H.M. '47. Net.....\$5.00
- MEXICO** (Kleinsorge '43). M. (Rebellion x Naranja) x (Treasure Island x Apricot). Rich variegata blend. One of the most startling new parents. Good for many colors: blends, reds, variegatas and oranges .....\$1.50
- MICHAEL BARTON** (Tompkins '47). E-M. (E. B. Williamson x Bright Melody.) Rich carmine-magenta over deep Hollyhock-red. Similar to Vice Regal. H.C. '45.....\$5.00
- MIDWEST GEM** (H. Sass '37). M. (Sis. to Matula.) Ruffled pale buff blend. Splendid parent to give ruffling, and substance. Produces shell pinks if crossed with them. H.M. '37...\$ .40
- MING YELLOW** (Glutzbeck '37). M. (Mrs. V. West sdlg. x W. R. Dykes) x (Depute Nomblot). Big showy yellow. Blood for reds, etc. A.M. '41 .....\$ .75
- MINNIE COLQUITT** (H. Sass '42). M. Rich purple-trimmed plicata. Always in great demand. Lovely specimen. A.M. '45.....\$1.50
- MIOBELLE** (McKee '45). M.-L. (Naranja x Janet Butler) x (Aubanel). Rose blend. Could be highly useful for blends and reds. H.M. '45 .....\$1.50
- MIOGEM** (McKee '47). M. (Miobelle) x (43-67 x Ming Yellow). Stunning broad rose with metallic flush in falls. Good substance. H.M. '47 .....\$3.00



- MIRABELLE** (Whiting '41). M.-L. (Matula x Happy Days.) Light peach blend that is proving a wonderful parent. H.M. '41.....\$1.00
- MIRROR LAKE** (Muhlestein '47). M.-L. (Blue Spire x Great Lakes.) Tall medium blue with lovely form. Producing fine blue and white seedlings. H.M. '48 .....\$2.00
- MISS BISHOP** (J. Sass '42). M. (Tiffany x Maid of Astolat.) Lovely white sister to Jake. Beautiful buds .....\$1.00
- MISS CALIFORNIA** (Salbach '37). E.-M. (Dauntless x Desert Gold.) Tall lavender-pink. \$ .50
- MISSOURI** (Grinter '33). M.-L. (Sensation x Blue Ribbon.) Medium deep blue with brown on hafts. Dykes Medal '37.....\$ .50
- MIST GLOW** (Muhlestein '48). M.-L. (Sundust x Radiant.) Amoena with white standards and light lavender falls reticulated gold. Fine parent .....\$3.00
- MISTLETOE** (Ketchum '36). M. (?). Deep cream standards, falls white with edge color of standards, flushed faint blue. Almost a twin for Star Shine. Limited stock. Net.....\$4.00
- MISTY GOLD** (Schreiner '43). M. (Tiffany x Siegfried.) Everyone loves this lemon and white beauty. Fine blood for plicatas and lemons. H.M. '45 .....\$1.00
- MOHR BEAUTY\*** (Milliken '49). M. (Elmohr x yel. sdg. involving: Lady Paramount, Cheerio, Easter Morn, Camilard, Aurifero, Henri Riviere, Dauntless, Alta Calif., Loudon, New Albion and Chosen.) Light yellow with very heavy substance. Harks to Elmohr shape \$10.00
- MOHRESQUE\*** (A. D. Keith '50). E.-M. (Doxa x Zwannenburg.) Standards light brown. Falls yellowish-buff at edges deepening to near chartreuse at hafts with purplish flecking all over the falls. Wide and full. Oddly colored so some will like it—others will not. Sets some seed. Height 38 inches. Net.....\$3.50
- MOHRLOFF\*** (C. O. Schirmer '49). M. (Ormohr x Orloff.) Very heavily marked over-all patterned plicata. Should be highly useful as a parent. Sets seed easily .....\$4.00
- MOHRSON\*** (White '35). M. (Wm. Mohr x .) Deep violet-purple. Pollen sometimes fertile...\$ .50
- MOLTEN** (Craig '50). M. (Prairie Sunset x Sultan's Robe.) Rich blend of burnt sienna, rose and golden ochre with violet blaze in falls.
- MONADNOCK** (Salbach '37). M.-L. (Marquita x Dark Knight.) Large rose-lavender.....\$ .50
- MONTY** (Miles '46). M. (Trader Horn: Directeur Pinelle x Gudrun) x (Spokane). Orange-tan standards, velvety red-brown falls. Large flower of very heavy substance. Said to be outstanding. Net .....\$4.00
- MOON GODDESS** (Craig '49). M. (Advance Guard x Mitchell 2-21) x (Blue sdg.). Large pale wisteria, very broad. Ruffled.
- MOONLIGHT MADONNA** (J. Sass '43). M. (Yel. Sdg. x Elsa Sass.) Clean lemon-yellow self. Fine grower. A.M. '45.....\$1.00
- MOONLIGHT MOOD** (Tompkins '50). M. (Moon Lantern x Miss Bishop) x (Sass 40-371 x Dr. Loomis' Type Dore, a Sea Shell sdg.). Corrected pedigree. Chartreuse with burgundy around beard and hafts.....\$7.50
- MOONLIGHT SERENADE** (M. D. Naylor 1952—watch for it!). (Snow Flurry x D. Hall's 42-10.) Lemon-cream self.
- MOONLIGHT SONATA** (Stevens '46). L. Lime or lemon-sulphur yellow self.....\$7.50
- MOONLIT SEA** (J. Sass '43). E.-M. (Undoubtedly Tiffany-Orloff lines.) Yellow ground heavily overlaid blue. Effective planted near lemon-yellows .....\$ .50
- MOON SONG** (Tompkins '49). M. (Lullaby x Moonlit Sea.) Clear orchid with undertone of cream. Yellow in the throat. Net.....\$1.00
- MOONTIDE** (McKee '46). E.-M. (Red Gleam x Mary Vernon.) Very wide, rich yellow. Proving a remarkable parent for rich orange-yellows; top blood for reds. H.M. '46.....\$4.00
- MORERA\*** (Mohr-Mitchell '28). E. (I. korolkowi x Ib-Mac.) Bi-colored blue-purple. Net.....\$1.00
- MORNING BLUE\*** (Jory '48). E.-M. (Purissima x Capitola.) Wide rich medium blue. Sets seed .....\$10.00
- MOROCCO ROSE** (Loomis '37). E.-M. (H 22, Lent A. Williamson, etc.) x (F 70; W. J. Fryer x Ricardi). Light lavender-rose-pink. Half sister to both Elmohr and Sea Shell. Has been a most useful parent. H.M. '37.....\$ .60
- MOUNT DIABLO** (Mitchell '50). M. (O-84 variegata x Sultan's Robe.) Large red with strong garden value.
- MOUNT HERMON** (Lowry '45). M. (Buechley Giant x Phebus.) Plain white. Always a good performer. Sister to Syringa. H.M. '45....\$2.00
- MOUNT TIMP** (Muhlestein '45). E.-M. (October Opera x Tiffany.) Very large rose trimmed plicata that starts the season and blooms over a long period of time. Garden visitors like it. Reblooms in favorable climates.....\$ .75
- MOUNT WASHINGTON** (Essig '37). E.-M. (Shining Waters) x ((New Albion) x (Miss Wilmott x Sherbert)). Tender white that will throw tangerine bearded pinks if bred to them. Net. \$ .50
- MRS. DOUGLAS PATTISON** (Craig '50). M. (Mountain Sky) x ((Acropolis x Destiny) x (Great Lakes)). Lovely cornflower blue self of beautiful form. Wonderful blood for blues and purples.
- MT. MCKINLEY** (Schreiner '47). E.-M. (Amigo x Wabash.) Amoena to start the season. Tall well branched stalk .....\$2.00
- MULBERRY ROSE** (Schreiner '41). M. (Frieda Mohr x Violet Crown or Ozone.) Large Mulberry with brown on hafts. A.M. '44.....\$1.00
- MY DAY\*** (Tharp '44). E.-M. (Wm. Mohr x Los Angeles.) Large violet with strong white undertones .....\$1.00
- MY CHOICE** (Tharp). E.-M. (Gertrude Fields x Quivera.) Light orchid with rich orange beard. A diploid (24 chromosomes).....\$ .75
- MYOMY\*** (White '47). E. Lovely oncobred showing strongly its onco blood. Net.....\$1.50
- NANKEEN** (Whiting '47). E.-M. (Mirabelle) x (Sdg. of Rameses x Elsa Sass). Cool Chinese yellow overlaid chrome yellow. Wonderful blood for many colors.....\$4.00

- NATIONAL WHITE** (Weed '44). M. (Gudrun x Buechley Giant?) Huge white that always makes a good show .....\$ .75
- NEW ERA** (Sass Bros. '49). E.-M. ((Wombliska x Dore) x (Calif. Gold)) x ((Tiffany x Orloff) x (Casque D'or)). White standards, olive-yellow falls. Different, rather than beautiful, but may be highly useful for breeding yellow amoenas or greens .....\$7.50
- NEW HORIZON** (O. Fay '46). E.-M. ((Morocco Rose) x (Hall's 40-24: 35-40 x Lullaby)) x (Overture). Bi-peach-pink with tangerine beard. Fine parent. H.M. '47.....\$4.00
- NEW HOPE** (DeForest '50). E.-M. ((P 42: (Alta Calif. x Sacramento) x (Sib.) x (Tiffany)) x (Blue Shimmer). Large beautifully formed new plicata heavily bordered medium violet-blue. Net .....\$15.00
- NEW SNOW** (O. Fay '46). E.-M. (Snow Flurry x 41-11: Katherine Fay sister.) Wide ruffled white that is proving a wonderful parent for blues and whites. A.M. '48.....\$5.00
- NICOLE LASSAILLY** (Cayeux '38). E.-M. (Polichinelle x Don Juan.) Bi-colored blue neglecta. Dykes Medal France '37.....\$1.00
- NIGHTFALL** (D. Hall '42). E.-M. (Indien Chief x dark sdg.) Rich bi-purple. Lovely garden subject and should be useful for breeding fine black-purples, blues and possibly reds. A.M. '45 .....\$ .75
- NIGHT LIFE** (Muhlestein '48). M. (Storm King x Sable.) About as black as we have seen. Large flower on somewhat short stalks. Should be highly useful for breeding "blacks", and will surely put size into them.....\$10.00
- NIGHT SPOT** (Muhlestein '49). M.-L. (Storm King) x (Prince Valiant: Joycette x McCall). Tall, well branched bi-black-purple. Falls flare horizontally. Gave me some of the finest seedlings last year. I think it holds great promise as a parent. Limited stock .....\$4.00
- NINE HEARTHS** (Rawlins '48). M. (Wabash x Snowking.) This wide, heavily substandard white stole our hearts, and how we tried to set seed on it, without success. If it proves to be fertile at all will surely put some quality into the Amoena class. Net.....\$5.00
- N. J. THOMAS\*** (Thomas-Thorup '44). E.-M. (Wm. Mohr x ? Cardinal.) Bi-blue-purple. Will set some seed .....\$ .50
- NOONDAY SKY** (Weed '40). M. Lovely blue with delightful form .....\$ .50
- NOVA GRANDE** (Tompkins '49). M. ((Golden Hind x Late Sun) x (Clo h of Gold)) x ((Golden Hind x self) x (Ola Kala)). Brightest yellow with a velvety finish. Superb breeding for yellows and orange-yellows.....\$7.50
- NYLON** (Whiting '40). M. (Amitola x Sandlewood.) Large nylon-tan. Possibly has been overlooked as a superb parent. I think it is a better breeder for quality than Prairie Sunset. Produces shell pinks when bred to them. ....\$ .50
- OLA KALA** (J. Sass '43). M. ((Amitola x ) x (Prairie Sunset)) x (Golden Age x ). Tall, brilliant yellow. Long a top favorite. Dykes Medal '48 .....\$1.00
- OLD PARCHMENT** (Kleinsorge '39). E.-M. (Treasure Island x Far West.) Smooth parchment-buff-pink. Splendid parent. One of our Robin members recommends it for producing smoothness in reds. A.M. '41.....\$ .50
- OLD ROSE** (Salbach '40). M.-L. (Marquita x Monadnock) x (Dark Knight). Line bred from Marquita. Tall, large old-rose. Always popular .....\$ .50
- OLYMPIO** (Cayeux '36). M. Large red-purple. Scarce. Dykes Medal France '46. Net....\$5.00
- ON GUARD** (C. Carpenter '49). M.-L. (Ming Yellow x Yel. Dr. Grant sdg.) Warm soft yellow with light area in falls. Picoted edges. H.M. '49 .....\$8.00
- OPAL CLOUD** (Kleinsorge '49). M. (Cascade Splendor x Daybreak.) Terra-cotta pink with pale violet suffusions. Good breeding for blends .....\$5.00
- ORANGE GEM** (McKee '48). M. (Red Gleam x Mary Vernon) x (Moontide). Very large deep orange-yellow. Will surely be a superb parent for deep orange-yellows and reds. H.M. '49 .....\$10.00
- ORANGEMAN** (Waters '46). M. (Naranja x Golden Majesty.) Large, deep orange-yellow. Reports say it is a superb parent. H.M. '47.....\$3.00
- ORCHID LADY** (Salbach '43). M. (Anne-Marie Cayeux x Alta Calif.) x (Miss Calif.). Wide orchid. Effective in clumps.....\$ .50
- OREGON SUNSHINE** (National '39). E.-M. Very large creamy-yellow. Heavy substance. Proving a good parent. May be useful for greens .....\$ .40
- OREGON TRAIL** (Kleinsorge '43). M. (Rebellion x Naranja) x (Aztec Copper). Tan blend with deep brown at hafts. Blood for rich things \$1.00
- ORELIO** (DeForest '47). M. (Casa Morena x Garden Flame.) Large red, very showy. Wonderful blood for red breeding. H.M. '49..\$4.00
- ORIENTAL BAZAAR** (Buneaux '48). M. (Miss Calif. x D. Hall pink blend 41-1) x (Majenica). Blend of orange, buff and metallic lavender. Wonderful blood for rich blends, yellows, reds. H.M. '48 .....\$5.00
- ORMACO\*** (Kleinsorge '42). M. (Ormohr x Aztec Copper.) Rich purple with copper undertones. Fertile both ways. H.M. '47.....\$1.00
- ORMOHR\*** (Kleinsorge '37). M. (Wm. Mohr x Anakim.) Large violet. Good pod parent. With Great Lakes, Blue Valley, Mirror Lake, Blue Rhythm, Pierre Menard or Cahokia should produce some splendid blues and violets. The parent of Lady Dozier (see Introductions). A.M. '40 .....\$ .50
- OVER HERE\*** (White '83). E. (One fourth onco.) Rosy hybrid .....\$1.00
- OVERTURE** (D. Hall '44). M. (40-34: 38-26 x 35-40) x (39-62, the breeder that gave Hall his pink breaks: (36-01: W. R. Dykes x Dolly Madison) x (Morocco Rose). Sister to Dream Girl. Tailored pink. H.M. '44.....\$2.00



- OYEZ\*** (White '38). E. (Polyhymnia x Jubilee.) Stunning. Everyone wants it. Falls heavily lined. Net .....\$2.00
- OZONE** (J. Sass '35). M.-L. (Baldwin x King Tut) x (Douglas). Rosy-lavender with copper brushing at hafts. Unusual. A.M. '38.....\$ .40
- PACEMAKER** (Lapham '50). E.-M. (Edward Lapham x Red Waves.) Striking new red that will surely prove a wonderful parent. H.M. '50.
- PAGAN PRINCESS** (G. Douglas '48). E.-M. (Pink Cameo) x ((40-10 x Melitza) x (Flora Zenor)). Purple with strong pinkish undertones. Tangerine beard. Said to produce startling seedlings. H.M. '48. Net.....\$4.00
- PAINTED DESERT** (Milliken '42). E.-M. (China Maid x Chosen.) Tan blend. Will throw shell pinks if bred to them.....\$1.50
- PALE PRIMROSE** (Whiting '46). M. (Happy Days x Midwest Gem.) Large ruffled yellow. A.M. England '50, H.M. '50. Net.....\$1.00
- PALLIDA F. VARIEGATA** (Krelage.) E. Small blue flowers with grape perfume. Foliage green stripped yellow. Makes an usually interesting border plant any time of year, and especially against green shrubbery.....\$ .40
- PARADISE PINK** (Lapham '50). E.-M. (Forerunner: ((Rosalba x Opera) x (Red Ray)) x (H 6: Spindrift x Isabellina). Orange-pink highly rated and of great value in hybridizing because of its out-breeding. H.M. '50. Net.....\$12.00
- PARAGON** (Stevens '48). E.-M. (Inspiration) x (Caribbean Treasure: Miss Calif. x Cedar). Opalescent pearly tints, falls margined in coppery-buff with the same color flushed in the throat.
- PAROWAN** (H. Thorup '51). See Introductions.
- PARTY DRESS** (Muhlestein '51). See Introductions.
- PASTEL PORTRAIT** (Whiting '48). M. ((Marisha x Sandlewood) x (Marisha x Ament)) x (Angelus). Cream flushed pink. Net .....\$1.00
- PATHFINDER** (Whiting '48). M. (Mirabelle x Angelus.) Very wide rose-pink. First nicknamed "the fat pink." Will produce shell pinks if bred to them. Branching rather high. H.M. '48 .....\$15.00
- PATRICE** (DeForest '45). M. (Tiffany x Salar.) Large delicately marked plicata. Splendid breeder. Possibilities for oranges, reds, plicatas and blends. H.M. '46.....\$1.50
- PATRICIA** (H. Sass '39). E.-M. Ruffled white. Acts like a diploid. H.M. '40.....\$ .60
- PATRICIA JOYCE** (Laura Pullar '50). E.-M. (Purissima x Bruno sdg.) Smooth tailored cream done on patrician lines. Fine blood for creams, yellows, whites and blues.....\$5.00
- PEACH GLOW** (Kleinsorge '43). M. (Idanha) x (Far West x Junaluska). Smooth pink blend. Blood for blends and reds. Net.....\$ .75
- PEACH PARFAIT** (T. Craig '49). E.-M. (Mount Washington x Flora Zenor.) Delicate light peach self, even to the beard. Form of Mount Wash. H.M. '49.....\$7.50
- PEARL KING** (Errey Bros. '40). E. M. (W. R. Dykes x Silversheen.) White standards, light yellow falls. Large. Will be highly useful for breeding yellow amoenas. Limited stock. Net.....\$5.00
- PEARLY MORN** (H. Thorup '51). See Introductions.
- PEG DABAGH\*** (T. Craig '48). E.-M. (Purissima x Capitola.) Large clear blue-violet. Won the gold cup at Hollywood Iris Show '49. H.M. '48 .....\$10.00
- PENNYRILE** (Rawlins '48). E.-M. (Great Lakes x Gloriele.) Medium blue. Sister to Alicia. Superb blood for blues and whites.....\$5.00
- PERMANENT WAVE** (Williams '48). M.-L. (Blue Triumph x Waverly.) Flaring blue with yellow at the heart. Ruffling on tips of the falls add to its charm.....\$7.50
- PERSIAN PATTERN\*** (Craig '50). E.-M. (Gay Senorita x Ib-Mac.) Standards gold with olive cast at midrib. Falls same with maroon pattern etched over all.
- PESHAWAR\*** (Schreiner '37) E. (Ib-Mac x sdg. of Chaemaeiris.) Delightful rich mulberry to start the iris season. Fast of increase. Sets some seed and has somewhat fertile pollen...\$ .40
- PIERRE MENARD** (Faught '48). M.-L. (Sister to Cahokia.) Deep rich flaring blue. Lots of individuality and charm. H.M. '48.....\$15.00
- PINK BOUNTIFUL** (P. Cook '49). M. (Harriet Thoreau x sdg. from: Susan Bliss, Morning Splendor, Varese, Rameses.) Delicate orchid-pink. Heavy bloomer. Net.....\$8.00
- PINK CAMEO** (O. Fay '46). M. (42-02: Morocco Rose x D. Hall's 40-24) x (D. Hall's 42-07—sister to Dream Girl). Lovely tailored pink. Fine parent. A.M. '48.....\$3.00
- PINK CLOUD** (O. Fay '36) M. (Ethelynn Dubuar x sdg.) Delicate orchid-pink. Lovely enmass. A diploid .....\$1.50
- PINK CORAL** (Whiting '49). M. (Mirabelle x Cedar Rose.) Warm coral pink with amber yellow center. Net .....\$5.00
- PINK FORMAL** (Muhlestein '49). E.-M.-L. (Golden Eagle x S Q 72.) Large, wide deep pink somewhat on the salmon side. Very heavy substance. Strong red-tangerine beard. Vigorous and a healthy grower. Proving a remarkable parent. It should go far in the production of better pinks. H.M. '49. Limited stock. Net .....\$20.00
- PINK REFLECTION** (P. Cook '42). M. (Fancy Free x Sandia.) Delicate light pink with flaring falls. A.M. '44.....\$1.00
- PINK RUFFLES** (K. Smith '40). E. (No-we-ta x Eros.) Low border iris. Ruffled orchid-pink. "Loads" of charm, A.M. '42.....\$ .75
- PINK SALMON** (Muhlestein '48). E.-M. (Spindrift x Golden Eagle.) Showy salmon-pink. Its seedlings are splendid for height, size and color. We are proud the pollen we sent to C. W. Tompkins gave him a tall, well branched salmon which he has named and is introducing as Apricot Supreme .....\$5.00

- PINK SENSATION** (D. Hall '48). M. (Tally Ho x Courtier.) Splendid deep pink with a lot of quality. Should be a top breeder. H.M. '50. Net .....\$12.00
- PINK TALCUM** (W. Buss '49). M.-L. (? Flora Zenor x ? Overture.) Quite pink. Perky flower of medium size, good form, closed standards \$6.50
- PINK TOWER** (Muhlestein '48). E.-M. (Sister to Pink Formal.) Very large light pink. If you want size and clarity of color Pink Tower will produce them. C.O.C. '47.....\$5.00
- PINNACLE** (Stevens '49). E.-M. (Magnolia) x ((Gudrun) x (Lady Morvyth x Rangatira)). Clean contrast in a yellow amoena. Destined to be highly popular and much used in hybridizing. H.M. '49 .....\$12.00
- PLACERITA** (Miess '50). M. (Tobacco Road x Matula.) Brilliant burnished gold, sprinkled with gold dust. Superb breeding for rich things.
- PORT WINE** (Sass Bros. '50). M.-L. Plicata done in the manner of Minnie Colquitt, but with much heavier markings. Striking. H.M. '50. Standard price.
- PRAIRIE SUNSET** (H. Sass '39). M. (Sandlewood x Amitola.) Light peach, apricot, buff and gold. Fine parent. Dykes Medal '43.....\$1.00
- PREMIER PEACH** (D. Hall '46). M.-L. (Sister to Dream Girl.) Lovely salmon-peach. Fertile pollen, but a difficult pod parent. Splendid breeder. H.M. '46.....\$3.50
- PRESENT\*** (White '41). E. (Oncocyclus x T.B.) White with close orchid veining over all. Exotic. Little or no branching. Tall. A.M. '49. Net .....\$1.50
- PRETTY PANSY** (Sass Bros. '49). E.-M. (? Bertha Gersdorff x Moonlit Sea.) Stunning! Different! Purple with striking white area. We think it highly novel and beautiful. H.M. '50. Net \$7.50
- PRETTY QUADROON** (Kleinsorge '49). M. (Mexico x Tobacco Road.) Smooth, wide and full metallic copper-brown. Lovely queen. A.M. '50. Net .....\$12.00
- PRINCE OF ORANGE** (Kleinsorge '40). E.-M. (Far West x Naranja.) Fine orange-yellow. Superb blood for blends, oranges and reds. A.M. '44 .....\$ .40
- PRIORITY** (Lapham '45). M. Reblooms ((Rameses) x (M. A. Porter x Jerry)) x (Red Ray). Red rebloomer. Makes tiny rhizomes and fine foliage. H.M. '48. Net.....\$2.00
- PRISCILLA** (Whiting '42). M. (Purissima x Blue Waves.) Very pure white. Should be splendid for line breeding with other Purissima derivatives for blues and whites. A.M. '47.....\$1.00
- PROFESSEUR MITCHELL\*** (Cayeux '30). E.-M. (David) x (Terpsichore: I. Korolkowi Violacea x I. susiana). Rich purple. Fertile pollen. May be of value for hybridizing. Limited stock. Net .....\$1.00
- PROSPECTOR** (Kleinsorge '50). M. Lovely flaring yellow with light area in falls which surely harks back to its progenitor Treasure Island. Net .....\$12.00
- PTARMIGAN** (Kinish '49). M. (Sister to Glory.) Large white, tall, with gold beard and gold at hafts. Should be very useful for creams, whites and blues. Net.....\$1.00
- PURISSIMA** (Mohr-Mitchell '27). E.-M. (Argentina x Conquistador.) White. One of the truly great parents. No pollen, but an easy pod parent .....\$ .50
- PURPLE FLASH** (Lyell '51). See Introductions.
- PURPLE MOOR** (Lapham '47). M.-L. (The Red Douglas x Edward Lapham.) Large rich purple. Good blood for deep reds.....\$4.00
- QUECHEE** (Knowlton '50). M. (Prince of Orange) x (Redyen: Christabel x Tenaya). Handsome garnet red self that has superb substance and does not burn or fade. Top blood for red breeding. H.M. '50. Net.....\$10.00
- RADIANT** (Salbach '36). E.-M. (Klamath x Sherbert sdlg.) Coppery-orange. H.M. '38....\$ .50
- RADIANT COMMAND** (Muhlestein '48). M. (Radiant x Royal Command.) Bright neglecta. Lovely enmass. Holds promise for blues, purples, neglectas, amoenas and reds.....\$1.00
- RADIATION** (D. Hall '38). E.-M. (42-46: Golden Eagle x 39-62) x (Premier Peach). Tangerine bearded pink with an orchid cast when first open, but quickly fades to a pink self. Lovely. A.M. '50. Net.....\$10.00
- RAEJEAN** (Whiting '40). L. (Amitola x Copper Piece.) Late bi-yellow. Parent of Arab Chief and other rich things.....\$ .50
- RED WAVES** (Lapham '49). M. (Red Gleam x Christabel) x (Lights On). Red with accent on color. Producing top reds for Lapham, and has already produced Pacemaker, and Big Time to come out this year. Net.....\$5.00
- RAINBOW ROOM** (J. Sass '46). M.-L. (H. Sass' 50-36 x Matula.) Anthony yellow standards, falls a smooth blending of many colors including a metallic flush of lavender at the beard—and bordered color of standards. Delightful. H.C '45 .....\$10.00
- RAJAH BROOKE** (Norton '45). M.-L. (Matula x Garden Magic.) Lovely blended variegata. Good breeding material for blends and reds. H.M. '46 .....\$1.35
- RAMADAN** (A. M. Harrison '46). E.-M. (San Diego x Mrs. V. West.) Tall, rich lavender-purple with blue-tipped beard. Has the form of Brunhilde. Imported from Australia. Scarce. Net .....\$5.00
- RANGER** (Kleinsorge '43). M.-L. ((Rebellion x King Tut) x (Purissima x Dolly Madison)) x (Garden Magic). Splendid smooth red. Good everywhere. Proving a worthwhile, though difficult, parent. A.M. '46.....\$1.50
- RARE MARBLE** (Muhlestein '47). M. (Bonanza x Tiffany.) Very good red trimmed yellow-ground plicata proving a wonderful parent. Tompkins had a series of plicatas from this that were good—one of which he is introducing this year .....\$2.00



- RED GLEAM** (Lapham '41). M. ((Bruno x Sherbert) x (Sass 30-40: Redwing x King Tut)). Splendid red and a top-notch breeder. H.M. '41....\$ **75**
- RED MAJESTY** (G. Douglas '46). M. (Two sdgls.) Red, yellow heart. H.M. '48.....\$**3.50**
- RED RAY** (Lapham '37). M. (Red Sails x Jerry.) Red. Produces rebloomers .....\$**1.00**
- RED TORCH** (H. Sass '47). M.-L. (Prairie Sunset x Rouge Bouquet.) Tan standards, vivid ruby-red falls. Beautiful breeding for red and blends. H.M. '47 .....\$**3.00**
- RED VALOR** (Nicholls '39). M. (Joycette) x (Red Robe: Morning Splendor x Cardinal). Tall beautifully finished red purple. May have been overlooked as a parent. H.M. '40.....\$**1.00**
- REDWARD** (P. Cook '42). M. (From: Morning Splendor, Seminole and Cinnabar blood.) Fine low-growing red. H.M. '45.....\$**2.00**
- REDWYNE** (McKee '45). M. ((Christabel x Teneya) x (Janet Butler)) x (Red Comet). Really grand deep mahogany red. Quality plus. H.M. '45. Net .....\$**3.50**
- REGAL ROBE** (Craig '48). M. (Acropolis x Destiny). Very bright, rich, deep bi-violet. Should be a splendid parent for deep color and blues .....\$**3.00**
- RELENTLESS** (P. Cook '48). M.-L. (From: Ethel Peckham sdg. and intensive line breeding of: Morning Splendor, Seminole, Cinnabar blood.) Should be tops for breeding reds if used with large-flowered varieties. H.M. '50.....\$**7.00**
- REMEMBRANCE** (D. Hall '42). E.-M. (38-26, same blood as 39-62) x (May Day). Very large pink blend. Fine blood for blends, yellows and possibly shell pinks. A.M. '44.....\$**1.00**
- RENDEVOUS** (Tompkins '50). M. (Bright Lights x Tiffanja) x (Coronado). Yellow plicata bordered orange-red. H.M. '50.....\$**12.50**
- REVELLE** (Tobie '44). M. (Clovelly x Melitza.) Delicate pale salmon with flaring falls. Good blood for pinks and salmons. H.M. '45..\$**1.00**
- RICH RAIMENT** (Craig '49). M. (((King Tut) x (Bronze Beacon x Sacramento) x (Mitchell 2-21))) x ((Mme. L. Aureau) x (Tiffany x Los Angeles)). Red plicata so unusual it will call you back again and again to view and study its interesting perpendicular lines. H.M. '50.
- RILLA GABBERT** (Carpenter '46). M. (E. B. Williamson x sdg. of Dominion heritage.) Beautifully formed jewel-like golden-tan blend with quality written all over it. H.M. '46....\$**4.00**
- RIO ORO** (DeForest '42). M. (Salar x Far West.) Glowing honey-tan. Blood for oranges, blends and plicatas .....\$**1.00**
- ROCKET** (Whiting '45). M. (Sandlewood x Naranja) x (Golden Spike: Happy Days x Matula). Brilliant orange-yellow bi-color—falls deeper, flushed orange-tan. Should be a top parent for oranges, blends and yellows A. M. '47 \$**5.00**
- RODEO** (DeForest '47). M. (Tiffanja x Casa Morena.) Extremely large yellow plicata. Blood for reds, oranges and blends as well as plicatas. H.M. '49.....\$**5.00**
- ROSE GLOW** (Muhlestein '51). See Introductions.
- ROSE LUSTRE** (Ketchum '48?). Smooth rose blend.
- ROSEMARY** (Whiting '47). M. (Marisha x Morocco Rose.) Large orchid-pink. Blood for shell pinks. Net .....\$**1.00**
- ROSEMOHR\*** (C. H. Lewis '49). M. (Ormohr x Red Valor.) Mulberry with rosy tones..\$**15.00**
- ROSE SPLENDOR** (Kleinsorge '47) M. (Peach Glow x pink 322.) Blend of watermelon and copper. Good form and finish. H.M. '48. Net \$**4.00**
- ROSE TOP** (H. Sass '41). L. (Tiffany) x (Rameses x El Tovar.) Very large, fine, showy rose-trimmed plicata .....\$**1.50**
- ROSIRED** (Craig '49). M. (The Red Douglas x E. B. Williamson.) Large red of easy growth and fast increase. Good blood for hybridizing .....\$**4.00**
- ROSY RUFFLES** (C. Rees '46). E.-M. (Snow Flurry x Far West.) Rosy lavender-pink. Interesting blood for whites or use with Far West lines \$**1.50**
- ROUGE BOUQUET** (Whiting '41). M. (Matula x Garden Magic.) Wide heavy substantanced bi-red. Splendid parent for blends and reds. Net .....\$ **75**
- ROYAL ACCENT** (Craig '50). E.-M. (Snoqualmie x Capitola.) Royal purple with dark purple signal patch under the buff-ochre beard.
- ROYAL CREST** (Milliken '48). M. (Buechley Giant x The Black Douglas) x (Spring Meadow). Well branched dark blue-violet. Splendid blood for blues and blacks' .....\$**2.00**
- ROYAL SCOT** (D. Hall '44). M. (Sister to Fire-cracker.) Yellow plicata fancy, brushed over all with red. Fine grower. H.M. '44.....\$**1.00**
- RUBY GLOW** (Schreiner '41). E. Int. (Grace Sturtevant x Graminea.) Rich red intermediate to start the season. A.M. '48.....\$ **75**
- RUBIENT** (Whiting '42). M.-L. (Valor x Winneshie.) Red-purple neglecta.....\$**1.00**
- RUFFLED BOUQUET** (C. Rees '47). E.-M. (Snow Flurry x Sunburst.) Lovely smoothly finished bi-colored cream, standards slightly deeper. Should be a splendid parent for creams, whites and blues .....\$**7.50**
- RUFFLED GEM** (Muhlestein '51). See Introductions.
- RUMBA ROSE** (Whiting '49). M. (Wabash x Fair Elaine, F 2.) Rosy-red amoena.....\$**3.00**
- RUSSET WINGS** (Wills '46). M. (Old Parchment x Stardom). Glowing gold, copper and apricot skillfully blended in a large, beautifully formed flower. Splendid blood for blends, yellows and reds. H.M. '46.....\$**4.50**
- SABLE** (P. Cook '38). E.-M. (Involving: Innocenza, Blue Boy, Cinnabar, Seminole.) Superb early black-purple. Proving a remarkable parent. A.M. '40 .....\$**1.00**
- SADEE\*** (Baker '49). E. (Purissima x I. aurantica.) Large white of good form, 42 inches tall. Imported from England. Net.....\$**10.00**
- SALAMONIE** (P. Cook '46). M. (Majenica x Pink Reflection.) Light peach-pink blend. Nicely formed. H.M. '46.....\$**5.00**

- SALMONETTE** (J. Sass '46). M. (Dore x Matula) x (((Beau Ideal x Rameses)) x ((Amitola)) x (Miss Calif.)) Salmon or peach-pink with tangerine-salmon beard. Useful for hybridizing because of its "unrelated" blood. H.M. '47 **\$3.50**
- SALMON SHELL** (Muhlestein '50). M.-L. (Mid-west Gem x D. Hall's 42-10.) Large salmon-pink self. Very wide and full. May be highly useful to bring ruffling and vigor to the pinks. **\$7.50**
- SALOME** (Tompkins '50). M. (Chansonette x Tunisian Gold.) Large amber overlaid orange-red. Crimped or lacy edge. Net. .... **\$1.00**
- SALUSKIN** (Nelson '48). M. (Melitza x Flora Zenor.) Large pink.
- SAN ANTONE** (Kleinsorge '47). M. (333 x 311 A.) Deep, glowing sand-brown. H.M. '48.... **\$4.00**
- SAN FRANCISCO** (Mohr-Mitchell '27). E.-M. (Sister to Los Angeles.) Large plicata. Dykes Medal '27 ..... **\$ .50**
- SARAH GOODLOE** (G. Douglas '49). M.-L. (Sister to Drum Major.) Deep maroon self. Heavy substance, fine stalk. H.M. '49. Net. .... **\$10.00**
- SAVAGE** (Craig '49). M. (?) Bronze-red suffused and blazed magenta.
- SEADEEP** (Thole '37). E.-M. (Buto x Santa Barbara.) Deep marine blue. Could be useful with Cahokia or its seedlings, and other blues. **\$ .35**
- SEAFARER** (Buttrick '49). M. (The Admiral x Great Lakes.) Clear, smooth blue highly praised from every quarter. Beautiful form, finish and superb substance. Top blood for blues. H.M. '49 ..... **\$15.00**
- SEA GULL** (I. C. Smith '48). M. (Lav. sdlg. x Stella Polaris.) Large white as graceful as a sea gull on the wing.
- SEA LARK** (Muhlestein '46). E.-M. (Brunhilde x Sable.) Large violet-blue with flush of purple in center of both standards and falls making it quite distinct from any other iris. Has a strong tendency to produce this intensification, or flush of purple, in its seedlings. We think it will be highly useful as a parent. H.M. '47 ..... **\$3.00**
- SEDUCTION** (Cayeux '33). M. Arlinde x sdlg. of Ensorceleur.) Wide plicata lightly marked lavender. Splendid parent. .... **\$ .50**
- SELAH** (Nelson '48). M. (Thole white sdlg. x Show Girl: Rameses x Prairie S.) Light lavender-blue, gold heart. Different. .... **\$3.00**
- SERIN** (Long '48). M. (Nepenthe x Treasure Ship) x ((Souv. de Loetitia Mischaud x Dainty Duchess) x (Dainty Duchess)). Canary yellow with no W. R. Dykes blood. Imported from England. Net ..... **\$5.00**
- SHANNOPIN** (Pillow '40). M. (Redwing x Yel. sdlg.) Yellow standards, pinkish falls. Parent of Maytime ..... **\$ .75**
- SHARKSKIN** (G. Douglas '42). M. (Cathedral Dome x Stella Polaris.) Smoothly finished white. Will throw tangerine-bearded pinks and whites if bred to them. A.M. '46. .... **\$1.00**
- SHERIFFA** (White '42). E.-M. (Regelia derivative x "Onco hybrid.") Metallic deep mulberry. A.M. '45 ..... **\$1.00**
- SHINING WATERS** (Essig '33). M. ((Caterina x Marian Mohr) x (Calif. Blue)) x (Uncle Remus x Moa). Lovely dependable light blue. A.M. '36 ..... **\$ .40**
- SHISHALDIN** (DeForest '44). M. (Sister to Casa Morena.) Tall brown blend. .... **\$1.00**
- SIERRA BLUE** (Essig '32). M.-L. (Souv. de Mme. Gaudichau x Santa Barbara.) Very tall flaring blue. Grandparent of Blue Rhythm. Dykes Medal '35 ..... **\$ .40**
- SIERRA SNOW** (Kleinsorge '39). M. (Purissima x Rameses) x (Far West). Lovely dependable white. Good breeding material for blues, whites and blends. .... **\$ .50**
- SILVER CHARM** (Craig '48). E.-M. (Purissima x Ib-Mac.) Very light blue-white. Will set some seed. Lacks substance. .... **\$1.00**
- SILVER LAKE** (Kinish '49). M.-L. (Mary Clotilde x Great Lakes.) Non-fading pale blue. Delightful fragrance. Wonderful blood for blues. Net **\$8.00**
- SILVER PLATTER** (Craig '50). M. (Acropolis x Destiny) x (Great Lakes). Huge shimmering blue. Tall.
- SILVER TOWER** (Mitchell '50). M. (Snow Flurry x Chivalry.) Beautifully formed porcelain. Deliciously scented. Has pollen.
- SIOUX CITY SUE** (Whiting '47). M. (Matula x China Maid) x (Burmese Gold). Auburn-red with blue blaze in falls. .... **\$1.50**
- SKY CHIEF** (Marx '50). M. (Purissima x Clara Noyes) x (Great Lakes). Very tall blue with pronounced silver edge. Net. .... **\$1.50**
- SKY MAID** (M. Walker '44). E.-M. (Purissima x Pacific.) Lovely blue. Possibly overlooked as a breeder. Its breeding would merit consideration. H.M. '45. .... **\$1.00**
- SKY RANGER** (D. Hall '48). M. (Bandmaster x blue sdlg.) Very tall, large, blue. Looks to have Snow Flurry blood. H.M. '49. .... **\$7.50**
- SKY SONG** (Muhlestein '51). See Introductions.
- SKY TINT** (Muhlestein '49). E.-M. (Sparkling Frost x Gloriette.) Slightly similar to Cloud Castle, but standards are very conic (closed). It is proving a remarkable parent with Sea Lark, other blues and whites. A really delightful light violet-blue. No pollen. H.C. '48.... **\$10.00**
- SNOQUALMIE** (Brehm '38). M. (Wm. Carey Jones x Mitchell white sdlg.) Long a fine, dependable cream ..... **\$ .40**
- SNOW CARNIVAL** (Graves '42). E.-M. (Santa Barbara x Gudrun.) Very large flaring white. Superb breeder for whites, blues and creams. A.M. '44 ..... **\$1.25**
- SNOW CRYSTAL** (Wills '47). E.-M. (Sensation x Paulette) x (Narain). Large, lightly marked—beautifully formed plicata hardly expected from all blue breeding. H.M. '47. .... **\$2.50**
- SNOW FLURRY** (C. Rees '39). E.-M. (Purissima x Thais.) Lovely white with a faint blue cast. Delicious orange-blossom perfume. Remarkable parent for many colors. A.M. '41.... **\$1.00**



- SOLID MAHOGANY** (J. Sass '44). M. (City of Lincoln) x (38-13: ((Cardinal x Alcazar) x (H. Sass 29-34)). Deep, rich, glowing mahogany that cannot be overlooked in the garden. A.M. '47 .....\$2.00
- SONG OF GOLD** (Essig '37). E.-M. (((New Albion) x (Miss Wilmott x Sherbert)) x (Ambassadeur ex Esplendido) x (Cardinal))) x (Alcazar x Souv. de Mme. Gaudichau). Clear yellow with good form. Lovely fragrance. ....\$ .50
- SONG OF SONGS** (Crosby '50). E.-M.-L. (Gold Ruffles x Cream Gold.) Light yellow standards, white falls edged color of standards. All petals are edged with "chantilly" lacing and ruffling. Easy parent both ways. We think it will prove a remarkable breeder for many colors, including shell pinks. For it is descended from Sea Shell and Gold Ruffles who's sister 44-67 was a shell pink break. H.M. '50. Limited stock. Net .....\$15.00
- SONRISA** (DeForest '42). E.-M. (Her Grace x Prairie Sunset.) Lovely pink blend with strong yellow undertones. Good blood for blends, whites, plicatas and possibly reds. H.M. '45 .....\$1.50
- SOQUEL\*** (Reinelt '40). E. (Wm. Mohr x Sunol). Violet border iris. Will set seed. ....\$ .75
- SORREL TOP** (Mitchell '43). M.-L. (Palo Alto: Sherbert x San Francisco) x (Orloff). Medium sized yellow plicata with rose-brown edge. H.M. '47 .....\$1.00
- SORRENTE** (Cayeux '37). Blue blend. ....\$ .75
- SOUSUN** (Essig '45). E.-M. (Firefall, Kashmir White, Grace Sturt., Sombrero, Flame Bearer) x (Lilamani). Early lemon-yellow that starts the season. Very resistant to attacks of rot. H.M. '45 .....\$1.00
- SOUTHERN PACIFIC** (W. Taylor '42). S.-M. (Sierra Blue x El Capitan.) Huge flaring blue-violet. H.M. '47. Net. ....\$1.00
- SPANISH PEAKS** (Loomis '47). E.-M. (Purissima x White Dominion sdlg.) x (sdlg.). Splendid white that is lovely when established. Easy grower. Most votes for A.M. '50. ....\$7.50
- SPARKLING BLUE** (Grant '42). M. (Shining Waters x Aline.) Large flax blue. Net. ....\$1.00
- SPARKLING FROST** (Milliken '39). E.-M. (Purissima x Easter Morn.) Very light sparkling, frosty blue. Superb blood for blues and whites \$ .50
- SPINDRIFT** (Loomis '44). E.-M. (Morocco Rose x Sea Shell.) Deep coral-pink with tangerine beard. Fine parent and even better grandparent. H.M. '45. ....\$1.50
- SPORTING THOMAS\*** (Muhlestein '49). E.-M. (Sport of N. J. Thomas.) Very dark purple. Wide of parts. Most fertile pollen imaginable, even on difficult hybrid lines. ....\$2.00
- SPRING CHIMES** (D. Hall '42). E.-M. (Bermuda Sand x May Day.) Extra large russet self. A bit high branched, but lovely enmass. ....\$ .50
- SPRING IDYL** (Lapham '39). M. (Eloise Lapham x Marian Lapham) x (Sdlg. of Wild Rose). Delicate apple-blossom pink—lovely for cutting. A diploid .....\$ .50
- SPRING ROMANCE** (E. Miess '49). E.-M. (Melitza x Narain.) Waxy cream-white with frosty overlay and heavy infusion of aureolin gold at hafts. Very heavy orange beard. Should be highly useful for breeding creams, blues and shell pinks. Won Gold Cup at the 1948 Hollywood show. H.M. '50. ....\$17.00
- SPRING SUNSHINE** (Milliken '47). E.-M. (White Spire x Yel. Sdlg. 2384-5.) Simply huge creamy-yellow. Makes a tremendous show specimen. Produces seedling with vigorous, wide foliage. H.M. '47 .....\$2.50
- SPUN GOLD** (Glutzbeck '40). M. (((W. R. Dykes x Cream sdlg.) x (Mrs. V. West x Depute Nomblot)) x (Vert Galant x ))) x (Depute Nomblot). The first "velvety" yellow. Dykes Medal '44 .....\$1.00
- SPY SONG** (McKee '48). M. (Calif. Peach x Miobelle) x (Miobelle). H.C. '46.
- S Q 72** (Loomis '48). E.-M. (Sea Shell derivative.) Light bi-colored pink on tall well branched stalk. I bless it every day for giving me Pink Formal and other good seedlings. H.C. '47. Net .....\$1.50
- STAG AT EVE** (Muhlestein '48). E.-M. (Chosen x Prairie Sunset.) Large russet-tan self sprinkled with gold dust. Some iris are wonderful breeders and produce quality seedlings. Stag At Eve is one of these—its brown seedlings are outstanding .....\$3.00
- STARLESS NIGHT** (J. Scss '41). M. (The Red Douglas x red sdlg., F 2.) Red-black, so dark it needs partial shade. Produces fine seedlings. H.M. '43 .....\$ .50
- STAR SHINE** (J. Wills '49). M.-L. (Hermitage x Hernani) x (Song of Gold). Deep cream standards, falls white with faint blue in center and edged color of standards. In great demand. H.M. '49. Net .....\$10.00
- STATEN ISLAND** (K. Smith '47). M. (The Red Admiral x City of Lincoln.) Tops in variegatas. Has blood for many colors including neglectas. H.M. '48 .....\$8.00
- STELLA VIOLA** (Snyder '45). E.-M. Big violet that is wide and bright. ....\$2.00
- STORM KING** (Nicholls '40). M.-L. (Mata Hari x Smolder.) Deep black-purple with widely flaring falls. A quality plant the result of crossing sister seedlings. H.M. '41. ....\$1.00
- STORY TIME** (Muhlestein '49). E.-M. (The Red Douglas x D. Hall's 42-10.) Huge bi-colored burgundy rose (Amethyst). Wonderful garden value in clumps or enmass. Interesting blood for hybridizing. H.C. '48. ....\$2.50
- STRATHMORE** (Morris '49). M. (Edward of Windsor x Hall sdlg. V 21.) A lovely apricot-pink with tall, well branched stalks. We are proud to offer a few rhizomes this season. Strathmore should be wonderful breeding material with other pink lines for blood refreshment. Net .....\$20.00
- STRATOSPHERE BLUE** (Lyell '46). M.-L. (Missouri x blue sdlg.) Smooth ultra-marine blue. Fine. ....\$2.00

- ST. REGIS** (Caldwell '47). M. (Birchbark x Great Lakes.) Slightly ruffled, smooth light blue. Superb blue and white blood. H.M. '48... **\$4.00**
- STYLISTA** (Mitchell '50.) M. (Mitchell O-136 x Salbach 39-42.) Self white with yellow shoulders and strong yellow beard. Medium size, but a real charmer.
- SUEZ\*** (Schreiner '43). E.-M. (Wm. Mohr x Mme. L. Aureau.) Violet and white—showing clearly its two parents. Good grower. Rather easy pod parent ..... **\$2.50**
- SUKEY OF SALEM** (Nesmith '46). M. (Buccaneer x Prairie Sunset.) Brown blend proving a fine parent. H.M. '46..... **\$2.50**
- SULTAN'S ROBE** (Salbach '45). M. (((Anne-Marie Cayeux x Alta Calif.) x (Happy Gift)) x (Miss Calif.)) x ((Gold Top x King Midas) x (Miss Calif.)). Old rose, copper and blue skillfully blended. Very wide of parts. Proving one of the great modern breeders for blends and rich reds. H.M. '46. Net..... **\$2.00**
- SUMMERTIME** (Caldwell '49). M.-L. (Betty Nesmith x Jean Cayeux) x (Golden Majesty). Deep yellow highly praised by critics. Wonderful blood for blends, oranges and yellows. H.M. '49. **\$8.00**
- SUNNY RUFFLES** (Waters '43). E.-M. (Gudrun x Jean Cayeux.) Nicely ruffled lemon-chrome yellow. Bred to ruffled things and Kleinsorge lines should give some unusual seedlings **\$1.00**
- SUNRAY** (D. Hall '50). M. (41-45: Invictus x Spring Chimes) x (Floradora). Lovely formed yellow that will be highly useful for hybridizing many colors including pinks. Net. **\$10.00**
- SUNSET BLAZE** (Kleinsorge '48) E.M. (343 x 333.) Deep red-flame-salmon. Simply stunning. Winner of the President's cup '49. H.M. '49.. **\$7.50**
- SUNSET HAZE** (Milliken '44). M. (Sister to Fort Knox) x (China Maid x Dauntless sdlg.) Pinkish blend with a haze such as seen over the ocean at sunset. Unusual..... **\$ .75**
- SUNSET ROAD** (Muhlestein '50). E.-M. (Prairie Sunset x Tobacco Road.) Rich brown blend that will surely be useful as a parent with Sass, Whiting, Kleinsorge and Tompkins' lines. Net ..... **\$2.00**
- SUSITNA SUNSET** (Wilson '47). E.-M. (Prairie Sunset x Casa Morena.) Rich blend. Top blood for browns, red and blends..... **\$2.50**
- SUZETTE** (Knowlton '45). M. (Seduction x Tiffany.) Delicately marked light yellow plicata. H.M. '45 ..... **\$3.00**
- SWAN LAKE** (C. Benson '49). M. (Birchbark x Great Lakes.) Crisp light blue self. Exceptional form and substance. First in seedlings St. Louis '46 C.O.C. '48. Top blood for blues and whites ..... **\$5.00**
- SWEET MARIE** (Muhlestein '51). See Introductions.
- SYLVAN BELLE** (Peck '43). M. (Gloriole x White sdlg.) White that does especially well in severe climates. Fine blood! H.M. '48..... **\$2.50**
- SYLVIA MURRAY** (Norton '44). M. (Great Lakes x Shining Waters.) Beautifully formed light blue with delightful fragrance. Easy pollen parent. A.M. '49 ..... **\$1.25**
- SYMBOL** (White '41). E.-M. (Naranja x Fiesta.) Large bi-orange yellow, falls brushed golden brown at hafts. Good blood for oranges.. **\$ .75**
- SYRINGA** (Lowry '47). M. (Sister to Mount Herman.) Fine lilac-lavender. This and Lilac Lane almost stand alone in this color class. H.M. '47 ..... **\$3.50**
- TALLY HO** (D. Hall '49). M. (Fantasy x 42-46, sister to 42-10.) Shaded purple-fuchsia, tangerine beard, heavily striated, excellent form. Top parent for pinks and other new colors. H.M. '50. Net..... **\$10.00**
- TEA ROSE** (Whiting '44). M. (Matula x China Maid.) Neat rose blend. H.M. '45..... **\$1.50**
- TECHNICOLOR** (Whiting '50). M. (Garden Glory x Rocket.) Pollen parent of Tompkins' 50-90. Will undoubtedly be a fine breeder. (Pedigree given only as a convenience.) H.M. '50.
- TENAYA** (Essig '33). E.-M. (Alcazar x Souv. de Mme. Gaudichau) x (Cardinal). Deep rich purple. Always good. Fine blood for reds, purples and blues ..... **\$ .35**
- THE ADMIRAL** (D. Hall '41). E.-M. (Sensation x (Selene x Wambliska). Lovely violet-blue with great weather-resistant qualities. Parent of Seafarer. Should be tops for blues and whites, and line-breeding to Helen McGregor and her seedlings. A.M. '44..... **\$ .75**
- THE CAPITOL** (A. Maxwell '44). M. (LaGloria x Gloriole.) Very large white with heavy orange beard. Queen of the Show Salt Lake city 1950. H.M. '46 ..... **\$1.25**
- THE GUARDSMAN** (Grant '39). M.-L. (Winneshiak x ). Unusual dusky mulberry, falls edged lighter. Commanding! Should be useful for neglectas and amoenas..... **\$1.00**
- THE KNOCKOUT** (Muhlestein '51). See Introductions.
- THE MAD HATTER** (Lyon '51). M. (Ranger x Cordoven.) Listed because of its most interesting pedigree. Net..... **\$20.00**
- THE ORIOLE** (Schreiner '47). M. (Spokane x El Tovar.) Variegata with rich gold standards, blackish-maroon falls. Striking..... **\$1.00**
- THE RED DOUGLAS** (J. Sass '37). M. (Sister to Red Wing x Cardinal) x (Joycette). Large red-purple. Dykes Medal '41..... **\$ .75**
- THE SHOWMAN** (Muhlestein '50). M.-L. (Arab Chief x Bryce Canyon.) Brilliant, wide, red-copper. Similar in coloring to Sunset Blaze, but blooms after it. Rather high branched. Should be a wonderful parent. H.C. '48.. **\$7.50**
- THE TANNER** (Muhlestein '51). See Introductions.
- THOTMES III** (Kleinsorge '50). M. Glistening golden-tan with bronze beard. Net.... **\$15.00**
- THREE CHEERS** (P. Cook '45). M. (Wabash) x ((Susan Bliss x Morning Splendor) x (Amoena sdlg.)) Tall, large neglecta of beautiful shape and proportions even though high-branched. H.M. '46 ..... **\$2.50**
- THREE OAKS** (Whiting '43). M.-L. (Sister to Tea Rose.) Striking brilliant rich coppery pink blend with blue flush in falls. Wonderful parent for blends and reds. A.M. '49. **\$2.00; 3 for \$3.25**



- THREE SISTERS** (DeForest '41). M. (Burning Bronze x Naranja.) Creamy yellow standards. Red falls. Should be highly useful for Amoena, red and orange breeding .....\$1.00
- TIFFANJA** (DeForest '42). E.-M. (Naranja x Tiffany.) Lovely yellow plicata. Fast of increase. Should be very useful for oranges, plicatas and reds. A.M. '46 .....\$1.00
- TIFFANY** (H. Sass '38). E.-M. (King Tut x Morning Splendor) x (?). The first large yellow plicata and has been a remarkable parent. Some of its seedlings have a tendency to rebloom. A.M. '43 .....\$ .50
- TIP TOP** (D. Hall '47). M. Small plicata—standards so heavily marked from a distance appears a reverse amoena.....\$2.50
- TISHOMINGO** (Caldwell '42). M.-L. Large wisteria blue. A.M. '44.....\$1.00
- TOBACCO ROAD** (Kleinsorge '42) E.-M. (Aztec Copper) x (Far West x Jean Cayeux). Wonderful break in the brown class, and proved a remarkable parent. Breed to tall reds for quality red breeding. A.M. '46.....\$2.50
- TOP SCORE** (Saibach '48). M. Stunning new variegata. Yellow standards, orange-brown falls. Might be tops with Rocket, Orangeman, Orange Gem, Mexico and Gold Sovereign for oranges or Staten Island, The Oriole, High Command or Black and Gold for variegatas. Net .....\$5.00
- TOSCA** (Benson '49). M. (Brunhilde x Gloriole.) Stunning ruffled lavender-blue with domed standards and wide flaring falls. Superb substance. Top blood, don't you think, for breeding? H.M. '50 .....\$7.50
- TOURNAMENT** (Wills '48). L. (Monadnock x D. Hall 39-85, sister to Stardom.) Luminous rose-purple. H.M. '48. Net .....\$4.00
- TRANQUILITY** (O. Fay '50). M. (Snow\* Flurry x Katherine Fay.) Superb milk-white with white beard. Splendid for wonderful blues and whites. H.M. '50. Net.....\$15.00
- TRANQUIL MOON** (P. Cook '48). M. (Pink Reflection) x (Cream sdg. from Orchid-pinks and dominant yellows). Yellow standards, white falls bordered yellow. Good substance. H.M. '50 .....\$9.00
- TREASURE ISLAND** (Kleinsorge '37). E.-M. (Purissima x Dolly Madison) x (Jean Cayeux.) Lovely yellow with light area in falls. Greatly responsible (together with Far West) for Dr. Kleinsorge's success in blends and great yellows. A.M. '50.....\$ .50
- TREVA** (DeForest '45). M. (Rio Oro) x (Sandalwood x Amitola). Luscious golden apricot blend. Wonderful blood for blends, oranges and possibly reds. H.M. '46.....\$2.00
- TRULY YOURS** (O. Fay '49). M. (44-43: ((Rameses x Far West) x (D. Hall's 42-35)) x (Zantha). Huge, unusual yellow and white combination with heavy ruffling. Rather anxious to see what this and Song of Songs will produce. H.M. '49. Net .....\$20.00
- TUNISIAN GOLD** (Tompkins '47). M. (Sister to Coronado.) Large golden brown, hafts antique brown. Producing wonderful seedlings. Top blood for reds .....\$5.00
- TWILIGHT SKY** (O. Fay '48). E.-M. (Pink Cameo x Floradora.) Nicely formed, clean dependable pink with tangerine beard. H.M. '50....\$7.50
- UTAH FIESTA** (Muhlestein '48). E.-M. (Fiesta x Dubrovnik.) Rich orange blend with strong lavender flush in falls. Lovely enmass, colorful .....\$2.00
- UTAH LAKE** (Muhlestein '50). M.-L. (Shining Waters x Great Lakes.) Large mid-blue self. Vigorous .....\$2.00
- UTAH SPECIAL** (Muhlestein '50). M.-L. (Old Parchment x Mellowglow.) Delectable, luscious, delicate blend of peach, apricot, pink and yellow. Beautifully formed, ruffled flower. Should have partial shade from extreme sun for it does fade. As yet has failed to set any seed for me. May have an upset number of chromosomes .....\$7.50
- UTAH SUNSET** (Muhlestein '51). See Introductions.
- VATICAN PURPLE** (Whiting '43). E.-M. (Missouri x Mata Hari.) Lovely purple. Delightful breeding for rich things. Grand form. Net...\$2.00
- VEISHEA** (Whiting '43). M. (Matula) x (Matula x Summer Tan.) Blend similar to Three Oaks. Splendid parent. H.M. '46. Net.....\$ .75
- VELVET DUSK** (Schreiner '49). M.-L. (Sable x Schreiner sdg.) Very dark purple with splendid sheen, finish and form. Net.....\$5.00
- VELVET KING** (Harned '38). M. (Bruno x Sherbert) x (Red Wing x King Tut). Splendid large red. Should be tops with Red Waves, Velvet Mantle, Technicolor, Aria, Gypsy Rose, etc., for reds .....\$ .75
- VELVET MANTLE** (Clutton '49). M.-L. (Cheerio x E. B. Williamson.) Good, tall, well branched bi-red. We think it will be a really fine parent in the reds because of its height, branching and good growing qualities. Net.....\$10.00
- VICE REGAL** (Miles '46). M. (Directeur Pinelle x "Sir Fred Banting.") Like a piece of rich brocade. Deep rosy purple. H.M.....\$1.50
- VIGIL** (Wills '47). E.-M.-L. (Valor x Venus de Milo) x (Gudrun). Quality white that blooms over the longest period of any white we know. H.M. '47 .....\$3.00
- VIIPURI** (M. Williamson '40). M. (Sister to Wabash.) Ruffled amoena .....\$ .75
- VIOLET SYMPHONY** (K. Smith '40). M. (Easter Morn x Violet Crown.) Wide, beautifully formed violet. Useful blood for blues, violets and whites. A.M. '43.....\$ .75
- VIOLINE** (Kinish '49). M. (Ann Page x Theodolinda) x (Blue Triumph x Shining Waters). Violet-blue self. Very smooth texture. Lovely fragrance. Net .....\$2.00

- VIRGIN SNOW** (H. Sass '47). Lovely chaste white for the front of the border.....\$1.00
- VISION FUGITIVE** (Wareham '42). M. (from sdgs. from trojana x Dominion.) Very large creamy-white. H.M. '45.....\$3.00
- VISION OF MIRZA** (DeForest '44). M. (Sister to Patrice.) Over-all patterned "fancy" plicata. Good parent .....\$1.00
- VISTA VERONICA** (Buss '50). M. (Blue Shimmer x Azure Skies.) Self orchid-blue identified by Dictionary of color as "Veronica". With such breeding how can it miss as a parent for blues and plicatas? Net.....\$10.00
- VOODOO** (Kleinsorge '48). M. (Mexico x Tobacco Road). Much richer Mexico-type. Falls very red. Should prove a parent for reds, blends and coppers. Net.....\$3.50
- WABASH** (M. Williamson '36). M.-L. (Dorothy Dietz x ? Cantabile.) Long the standard Amoena. White standards, purple falls edged white. Leading parent for this color as well as neglectas. Dykes Medal '40.....\$ .50
- WAKARUSA** (Lapham '41). E.-M. (Mary Geddes x Red Gleam.) Blended orange and red. \$ .75
- WASATCH** (Thorup '35). E.-M. (Lord of June x Lent A. Williamson) x (El Capitan). Simply huge blue and white plicata. Fine parent. Even blood for Amoena and neglecta blood due to L.A.W. blood. H.M. '46.....\$ .40
- WATCHFIRE** (Stevens '48). M. (Autumn Splendour x Copper Rose.) Copper with a red cast. Strong stalks.
- WAXY WHITE** (Muhlestein '50). M.-L. (Whiting 40-86: Matula x Midwest Gem) x (D. Hall's 42-10). White with gold beard, lovely flaring falls. May be highly useful for breeding blends, whites, creams and tangerine-bearded varieties .....\$2.00
- WAYFARER** (Mitchell '48). M. (Two plic. sdgs.) Lovely new plicata .....\$3.00
- WHISTLING SWAN** (Waters '48). M. (Snowking x Sunny Ruffles.) Tall, slightly ruffled hardy white. Blood for ruffled things in creams, whites and blues .....\$3.50
- WHITE ALONE** (Horton '40). E.-M. (Purissima x 432, a Midgard sdg.) Large early white that reblooms in warm climates.....\$ .50
- WHITE CITY** (Murrell '39). M. (Pageant: Aphrodite x Souv. de L. Michaud) x (Pervaneh, a Moonlight sdg.). Dependable blue-white of easy growth. Said to be a very good parent with Sea Lark, etc. Dykes Medal, England '40 .....\$ .50
- WHITE PARCHMENT** (H. F. Hall '49). M.-L. (Ming Yellow x Great Lakes.) Heavy substandard white bred from two great Dykes Medal winners. Royal blood for whites, creams and blues. Net .....\$7.00
- WHITE RUFFLES** (C. Taylor '47). E.-M.-L. (Snow Flurry x Princess of Brentwood.) Wide ruffled white with gold at hafts. H.M. '47..... \$5.00
- WHITE SENTRY** (Benson '49). M.-L. (Birchbark x Bruno.) Wide pure white of very heavy substance. Wonderful blood for whites, creams, blues and possibly reds. C.O.C. '48....\$4.00
- WHITE SMOKE** (C. Rees '50). M.-L. (Snow Flurry x "Big Dipper".) Very large, beautifully formed white with blue-smoke cast. One of the last to fade at the end of the tall bearded season. We think it has promise as a white and blue parent .....\$7.50
- WHITE SPIRE** (Milliken '44). E.-M. (Undoubtedly Purissima or Easter Morn blood.) Tall white that is a good parent.....\$1.00
- WHITE WEDGWOOD** (Grant '43). M. (Mount Cloud x blue bearded blue sdg.) Large blue-white with blue-tipped beard. A.M. '45..\$1.50
- WILLIAM A. SETCHELL** (Brehm '38). E.-M. (Purissima x Dolly Madison.) Gigantic purple with surprisingly good substance.....\$ .75
- WILMA VALLETTE** (Craig '50). M. (Rich Raiment x Joseph's Mantle.) Fine new brilliant plicata.
- WILLIAM MOHR\*** (Mohr-Mitchell '25). E. (Parisiana x l. gatesii.) A sensational hybrid, and a good parent when it can be induced to set seed. Veined violet.....\$ .40
- WINDSOR** (Tompkins '50). M. (Brunhilde x Great Lakes.) Beautifully formed deep violet-blue with much of the charm of each of its two great parents. Should be wonderful for blue and violet breeding. H.M. '50.....\$25.00
- WING COMMAND** (Tompkins '48). E.-M. (Brunhilde x Lilimani.) Highly finished deep blue-purple. Will be interesting to cross this with other Brunhilde derivatives; Windsor, Deep Velvet, Sea Lark and Lady Dozier.....\$2.00
- WINSOME BLUE** (Horton '43). M. (Nene x Indian Hills.) Medium blue-purple .....\$2.00
- W. J. MOFFAT** (Miles). M. (Sdlg. x Elsa Sass.) Plicata highly praised in Canada. H.C. '46 \$5.00
- YARCAND\*** (White '48). E.-M. (Oncocyclus x T.B.) Blending of rich violets. Clearly showing its onco-traits. Unusual and lovely. H.M. '48.\$2.50
- YELLOW TOWER** (Muhlestein '50). M. (Painted Desert x D. Hall's 42-10.) Medium yellow wide and full in parts. Tall, well branched. Should make a wonderful parent for pinks, salmons, blends, oranges and possibly reds. Net...\$2.00
- YOUR WORSHIP** (White '48). M. (Fiesta x Chosen, F 2) x (Tobacco Road). Tall red-brown self. Good blood for blends and reds. H.C. '46.\$5.00
- YUSSUF\*** (White '46). E.-M. (Onco hybrid.) Lighter Mohrson-type with white areas showing through .....\$1.00
- ZANTHA** (O. Fay '47). E.-M. (Gold Medal: Crown of Gold x Lady Paramount) x (41-22: Golden Hind x prob. Jean Cayeux). Simply huge, clear brilliant yellow. A wonderful exhibition stalk. Parent of Truly Yours. Winner of The President's cup and H.M. '47.....\$6.00
- ZEBULON\*** (E. Callis '42). M. (Ormohr x Sir Knight.) Large purple. Fertile both ways, even on rather difficult hybrid lines.....\$1.00





SPURIA, DUTCH DEFIANCE

## SPURIAS

Spurias belong to the beardless species. Their hard, strong, rhizomes are ideal for holding banks. They bloom after the tall bearded season has closed. Their orchid-like flowers are splendid for corsages or for bouquet work and arrangements. Here is an open field for hybridizers who desire to work with this species. Their disease resistance make them the easiest iris to cultivate.

(Spurias will be shipped after Sept. 1st—order these on a separate sheet.)

**AZURE DAWN** (Nies '47). (ochroleuca x Monspur, F2.) Blue-lavender with lemon-chrome signal patch. Net .....\$1.00

**BRONZE BUTTERFLY** (Brenan '51). See Introductions.

**BRONZSPUR** (Nies '41). (ochroleuca x Monspur, F2.) Blend of brown and yellow veined sepia. Splendid parent for many colors.....\$1.00

**DUTCH DEFIANCE** (Nies '43). (Bronzspur x Saugatuck.) Blue with frilled falls and a yellow signal patch. A.M. '49. Net.....\$3.00

**FAIRY LIGHT** (Thorup '49). (Shelford Giant x yellow spuria.) Lemon-chrome. Flaring falls bordered one-eighth of an inch white. Very vigorous of growth and increase. H.M. '48 \$2.00

**FAIRY WAND** (Washington '31). Unusual blended tan .....\$1.00

**FIFTH SYMPHONY** (Nies). (Bronzspur x sdg.) Golden brown veining over deep yellow giving almost an orange effect. Net.....\$1.50

**GOLD NUGGET** (Milliken '31). Rich golden yellow self .....\$1.00

**LARK SONG** (Nies '46). (Sister to Fifth Symphony.) Falls rich yellow standards and styles nearly white. The flowers are large and well spaced on tall stems. H.C. Award.

**MONNIERI** (may be only a garden hybrid of I. ochroleuca.) Full light yellow.....\$ .50

**PASTORAL** (Nies '43). (Bronzspur x Saugatuck.) Flaring falls of orange-yellow edged lavender. Standards yellow changing to lavender. Light lavender styles. Deep lavender crest (signal patch). Net .....\$3.00

**RUSSET FLAME** (Nies). Deep yellow with heavy brown shadings, and borders on the falls. Good keeping qualities. Net.....\$1.25

**SAGATUCK** (Nies '41). (Ochroleuca x Monspur, F2.) Standards lavender shading to yellow at the base; falls yellow, veined with bronze and bordered with lavender. Wonderful parent. Net .....\$1.25

**TWO OPALS** (Nies '46). (Fifth Symphony x Saugatuck.) Similar in coloring to Sagatuck, but ruffled and falls flare more. A.M. '50. Scarce. Net .....\$5.00

**WADI ZEM ZEM** (Milliken '42). Beautiful, large, clear cream. Net .....\$3.00

**WHITE HERON** (Milliken '48). Perhaps the giant of all spurias. The shape, size, and over-all quality is superb. Almost white with cream-yellow shadings at the center. H.M. '50..\$5.00

## DWARF BEARDED IRIS

**ALINDA** (P. Cook '46). E.E. (Socrates x Pumila.)  
Clear rich red-purple with a pale blue beard  
\$ .50

**BLARNEY** (W. Welch '50). E.E. (Fiancee x  
"Fairy") x (Cook 1546: ((Azura x Pumila) x  
(Pumila)). The first of the "green" dwarfs to  
be offered. Should be a wonderful parent for  
many colors. Net. .... \$5.00

**BLUE BAND** (P. Cook '50). E.E. Said to be the  
best blue yet introduced. Net. .... \$2.00

**"FAIRY" or DIE FEE** (Junge, bef. 1906). Unusual  
porcelain white standards, falls porcelain blue  
flecked and brushed blue and green. Lovely  
shape, unusual coloring. Should be highly  
useful for hybridizing. May throw greens and  
yellow amoenas ..... \$ .25

**HEATHERBLOOM** (W. Marx '49). E.E. Heather-  
purple with rosy tones, orange beard. . . \$1.00

**ICICLE\*** (W. Marx '47). E. (Yel. Dwarf x Luna.)  
Bluish-white sometimes flecked blue. A true  
hybrid ..... \$1.00

**LITTLE ELSA** (Muhlestein '48). E.E. (Brautjungfer:  
"Bridesmaid" x Bride.) Almost pure white  
standards, lemon falls shaded lighter toward

bottom. Might be called a lemon yellow  
amoena. From a distance enmass gives quite  
a white garden effect. Sems long enough to  
cut—about 7 to 8 inches. H.M. '48. .... \$ .50

**MOON GLEAM** (W. Marx '47). E.E. (Sound Money  
x chamaeiris.) Light yellow with flaring falls.  
A lovely iris with beautiful form. H.M. '49. \$ .75

**OLIVE EVA** (Christensen '51). See Introductions.

**PETITE** (Horton '49). E.E. (Harbor Lights x sdg.)  
Aconite violet (mauve-pink) bi-color. Lovely  
form, falls semi-flaring. .... \$2.00

**PRIMUS** (W. Welch '50). E.E. (Sdlg.: chamaeiris x  
Sass dark ruby) x (P. Cook 1546, see Blarney).  
Brilliant Variegata. H.M. '50.

**PURPLE BEAUTY** (Horton '45). E. (Susa x Negus.)  
Rich purple bi-color. Good sized flower on  
fairly tall (8 inch) stems. Heavy bloomer. \$ .35

**SUN DROP** (W. Marx '49) E. (Sound Money x .)  
Brilliant, quite large, medium yellow that glows  
in the garden ..... \$1.00

**VIOLET GEM** (P. Cook '46). E.E. (Azura x Pumila.)  
Dark blue-violet with a lighter blue beard.  
Wonderful blood for hybridizing. H.M. '50.  
Net ..... \$ .50

## KEY TO UNDERSTANDING THIS CATALOG

E., M., L.: Season of bloom; Early, Midseason, Late.

Varieties marked with "\*" are descended from Regelia or Oncocyculs iris.

Hybrid: Cross of two distinct species.

C.O.C.: Certificate of Commendation—given by judges at A.I.S. shows.

H.C.: Highly Commended Award given by A.I.S. judges to iris (growing in gardens) not yet introduced.

H.M.: Honorable Mention. The first "counting" award an iris may receive on its climb to higher awards.

A.M.: Award of Merit may be given to only eight Tall Bearded and two "other than Tall Bearded" each year by A.I.S. judges. One year must elapse after the H.M. award before an A.M. may be won.

Dykes Medal: Memorial medal given by the English Iris Society in memory of W. R. Dykes who contributed, in hybridizing and writings, in monumental ways, to increase interest in iris. At present the Dykes Memorial Medal is given (or offered) in U.S.A., England and France, although no medals have been awarded in France for several years. This is the highest award any iris may achieve.

### COLORS

**AMOENA:** Iris having white standards and darker colored falls—usually in shades of lavender or purple, although recently have come some yellow and white amoenas.

**NEGLECTA:** Bi-colored blue or purple with the standards very much lighter colored than the falls. (This is closely related to Amoena coloring, but the contrast isn't so great.)

**PLICATA:** Varieties having a distinct "stitching" or bordered edge on either standards or falls, or both, although recently have come varieties often referred to as "fancies" that are dotted, brushed or almost completely covered with color other than the ground color. We have yellow-ground plicatas or white-ground plicatas with markings in blue, purple, brown, red, etc.

**BLENDS:** Colors containing a lot of yellow blended with any number of other colors, reds, coppers, browns, pinks, lavenders, blues, etc.

**VARIEGATAS:** Yellow standards (or blended tan or brown) with very dark brown, purple or red falls.

**OTHER COLORS:** Other colors are self explanatory, although bi-colors are those containing essentially the same color with either standards or falls a dark color. (Tints or shades darker.)

### PARENTAGES

In listing the parents the Pod parent is listed first followed by an "x" indicating the flower was crossed with pollen of the next parent indicated. Complicated parentages are found in two or more brackets.



# ON HYBRIDIZING

Let us reflect on the possibilities, as well as the known fine parents, of our favorite flower, and the necessary procedure in the creation of seeds which in turn produce the tiny plants from which innumerable seedlings develop to give us a few choice gems; some of these eventually find their way to fanciers throughout the world to bring joy and beauty to gardeners and gardens everywhere. The delightful thing in producing a fine iris is this very aspect. The breeder of a fine champion animal may share this animal with few (if a male), and if he is sold only one may own him. Count the gardeners, if you can, who share the lovely creations of our hard-working hybridizers of iris! Measure, as well, their joy! Can it be done?

## MAKING THE CROSSES

The processes necessary to hybridize iris are very simple and easy, if time consuming, but there is little necessity, if a fresh bloom is used as seed parent, to bag the flower to prevent outside contamination from foreign pollens or self-pollination. A few precautions may be employed, however, such as the removal of all stamens (if the variety makes pollen) and the three falls may be removed to prevent a bumble bee depositing unwanted pollens. Because of the location of the stamens tall bearded iris do not self-pollinize themselves, but it may happen pollen thrips will accomplish this feat which would account for the fact that (even without the presence of bumble bees) many tall bearded iris set some "chance" pods. While a good seedling might come from chance pods—it is only a remote wish and hardly worth the time and effort to grow these, and should a good iris result its true pedigree would never be known. It is more likely good seedlings will result from carefully planned hybridizing; one then knows the breeding of selected seedlings and can, therefore, continue his hybridizing with care and wisdom. Since heredity plays an important part in the production of all living things it is very important we should know, so far as possible, the background of the iris used for hybridizing. So, it should be with care that we select the parents used. It may be one will desire to make a wide out-cross so as to bring in new blood for some special purpose—for size, height, branching, smoothness of texture, etc. For example a goodly number of the Amoena colored flowers have been on the small side. A hybridizer may cross out to some other color—a white, a blue or even a blend, and it can hardly be expected the first generation will deliver the Amoena sought for—in fact the seedlings may very well be a nondescript conglomeration, none of which would seem to hold any promise as breeders, yet they should carry the genes for Amoena coloring and may, very well, carry factors for size and other qualities—even vigor and ease of germination, etc. Therefore it is the task of the hybridizer to cross back to Amoena blood or even to try some of these sister seedlings together which would give the F<sub>2</sub> generation and a percentage of Amoena-flowered seedlings should result. And it may be still another generation (or more) when one's patience will surely be rewarded. This same principle may be applied to all the various colors being sought. Some will be dominant and may be expected to give results in the first generation while others, like *plicatus*, and the new shell pinks, will, because they are recessives, appear in the F<sub>2</sub> and later generations.

One must know the mechanics of making the cross, so it will be necessary here to describe this for the inexperienced hybridizer. The iris has a trinity of three parts, these are: three standards, three falls and three style arms upon which the stigmas grow. Under the three style arms are the three stamens which carry the pollen. As mentioned earlier, some varieties will be found to have no pollen, among these are *Purissima*, *Snow Flurry*, *Wm. Mohr* and others and they, therefore, may be used as pod parents only. The stigma is the lip (a shelf-like portion) on each of the style-arms. It may be necessary to pull back the split outer portion of the style arms to expose the stigma, which should be fresh and somewhat "frosty" in appearance—a dry stigma is useless to use in hybridizing. Pollen from the stamens may be spread directly on these stigmas; a brush is not recommended, for it may become contaminated with other pollen grains and one's records may have no meaning, no accuracy. After the cross has been made a small marking tag should be written upon giving first the name of the pod parent, an "x" and then the pollen parent. For example if *Purissima* is employed as the pod parent (the flower used) and *Cloud Castle* the pollen parent the cross would be marked thusly: (*Purissima* x *Cloud Castle*). One should make sure the tag upon which the cross is recorded is weather-proof. Many paper labels peel. One should, therefore, use wood-tree markers, non-peeling paper, plastic or aluminum markers. Equally important is the proper marking of the seedling bed, or field marker, for the various crosses, once the seed is planted or the seedlings set out—these should, likewise, be permanent. Personally I have used planed wood stakes on which I write the crosses in permanent India ink. I much prefer to write quite a detailed account of the cross on the stake to giving each cross a number and having a corresponding number in a record book, for time is often precious during the blooming period and extra record books, etc., are rather a nuisance. A book to record the selections is a necessity. One may devise any number of various methods of keeping these records, however, the most generally used method is to give the first selection the number "1" with the year either immediately before or after this number. For instance the first selection made in 1951 could read either: 51-1 or 1-51. Sister seedling selections can be numbered the same adding A, B, C, etc., for the second, third, and so on from the cross, making the keeping of records less intricate and saving some time in giving each selection a different number. This method is also advantageous in the keeping of pollen from the various sister seedlings for it will be stored in one position in the pollen box and one need not remember several various numbers or to search through the file for any desired pollen.

## CARE OF THE SEED

As the pods develop it is wise to inspect the stalks often. Sometimes accidents happen and pods are broken off—if they are without stems and have had a month or so to grow they can be finished (ripened) either by placing in damp sand in a shaded spot or left to finish in the pod on a shelf out of the sun's rays. Sugar and water, and vitamin B<sup>1</sup> and water have been used to ripen pods on stalks that are a long way from ripening. It is wise, if this method is used, to occasionally cut the bottom of the stalk diagonally weekly to prevent rotting and to allow maximum absorption of food and water into the stalk. If one is to be away when seeds will ripen small pieces of cheese cloth may be tied around each pod to prevent seed from falling to the ground and being mixed or lost. Or if the time is about ready for pods to open the various crosses may be gathered and put into sacks to let dry, but the seeds should be removed from the pods as soon as possible when the pods are brown, cracking or dry. A little mould on the seeds will do no harm, although this mould may be removed by rubbing the seeds between one's hands. If one lives in a warm climate where little winter cold or snow is experienced seed may be planted immediately, but in colder climates it is wise to store the seed until October before planting, or at least until it has had a good drying out period, otherwise the seed may germinate immediately and be too weak to withstand hard freezing.

## KEEPING POLLEN

I use a long narrow box containing small envelopes of typing paper (half sheets) folded to fit into the box, and pollen is saved as soon as the dwarfs start to bloom. If this is done one need not worry about having dry pollen, or pollen of a certain variety that has long since stopped blooming, for pollen on their stamens properly dried and kept at ordinary room temperature will keep at least 6 weeks. Rather porous paper should be used—heavy, slick paper or waxed paper should not be employed unless the stamens are first thoroughly dried in an open dish or other place where air circulates freely around them. If only a small number of plants are to be used in breeding capsules may be used to store pollen, and the pollen could be scraped off into these—throwing away the somewhat moist stamens. Such capsules to be stored in refrigerators if a longer period of potency is desired, but for all practical purposes six weeks will pretty well cover the blooming period of bearded iris in most sections of the world, although there will be off-season bloom in some localities, and if pollen is gathered anew as these bloom, and dated, hybridizing might be accomplished almost any season of the year.

## CARE OF SELECTIONS

If an unusually fine seedling is selected it is wise to dig, divide and line this out the first year if there are more than two rhizomes and if maximum increase is desired. The best possible care should be given to seedlings of high merit. Some will prove to be of value only as breeding iris, and some prove never to be as fine as they were in their maiden-blooming. It is sometimes wise to retain pieces of seedlings used for breeding until their offspring are seen, for some prove very fine parents although they might not be, in themselves, anything ultimate, although usually it is found the seedling outstanding enough to have been worthy of a name is the one that produces the quality seedlings. But let us now consider some of the various color classes, and who knows the dreams one may conjure of new and unusual colors. And who shall predict what breaks may come or what the iris of ten years hence will be?

## WHITES

We have a goodly supply of fine white iris, and right now there are new ones that promise to just about fill every requirement. Purissima has been an important parent in this color class, and its seedlings, Snow Flurry, Lady Boscawen, and others have contributed greatly to modern whites. Snow Carnival, Glorioso, Cloud Castle and Easter Morn and her children will all be found to be most useful in this color class, and Azure Skies if bred to "leggy" iris will produce some fine things. Perhaps the finest breeder in this color the past few years is Snow Flurry and it is used more than any other iris, surely, in the quest of this color as well as other colors.

## BLUES

The blues have been somewhat closely linked with whites, and even Great Lakes is closely related to Purissima. We cannot deny the paramount part Dominion plays in this color class. Perhaps we have overlooked the possibilities of the use of varieties close to the species, such as Sensation, in our hybridizing work. Purissima again has been of high value here, and her children, by the use of Capitola pollen, are now numerous and some are quite fine. Heavy with Purissima blood are both Pierre Menard and Cahokia with the latter giving exceptional seedlings—some very blue and we hear of fine things from it when used with New Snow. Helen McGregor is going to be a fine parent in this color, as well as whites, and we hear of some fine things from Helen McGregor by the use of Blue Rhythm, Blue Valley and Cahokia pollens. Reports have come from H. Senior Fothergill of London, England (Sec'y of the English Iris Society) of fine seedlings from White City x Sea Lark. One of the finest seedling I had last year was a pale blue-white with a deeper flush in the standards and falls (harking back to the coloring of Sea Lark) from Sky Tint x Sea Lark, so it is apparent that Sea Lark is going to prove a fine parent for new and unusual colorings in blues. We liked the shape and coloring of Tompkins' Windsor; his Consolation and Courtesy should prove useful parents. We would suggest the pursuit of breeding records of Jane Phillips, Mrs. Douglas Pattison, and other new blues for clues to fine parents in this color range. Undoubtedly the finest seedlings of different breeders may be used together with pleasing results, and then if the hybridizer will carry the seedlings to the F<sub>2</sub> generation success is assured.



## YELLOWS

We have numerous fine yellows, and no one will dispute their high value in the garden picture. They are equally valuable in the breeding program. All the fine blends, almost without exception, stem from yellow bloodlines, and nearly all of David Hall's fine pinks stem from Golden Eagle, and beyond that from W. R. Dykes. There is still room for improvement in the yellows, and from them may come the orange color now much sought after. Ola Kala has been a top iris for some years now, and bred to Rocket gave Mrs. Whiting her lovely deep orange-yellow Gold Sovereign. Berkeley Gold, Admiration, Golden Eagle, Zantha, Goldbeater and Moontide all hold rather high promise as breeders. Baghdad is a very potent pollen parent and last year I obtained seed for the first time from Golden Ruffles by the use of Baghdad and Fabulous Kate pollen. My own Gold Ruffles is proving a splendid parent—not only for yellows and cream, but for pinks as well—even blends—adding substance and ruffling to many of its seedlings. Song of Songs, Mrs. Crosby's new ruffled yellow and white, is from Gold Ruffles and Cream Gold. My own 49-11 series pinks are from a seedling of Gold Ruffles. Chantilly and Gold Ruffles crossed produced a wonderful array of yellows, buffs and blends with heavy ruffling. I had a new yellow appear last year No. 49-21-50—from a seedling of Gold Ruffles x Pink Formal—it will surely be named and introduced next year if it increases well, for it appeared to have every good quality—clarity of color, form, substance, branching and that certain something—charm, individuality & personality that calls one to look time and time again. Yes, there is still room for improvement in this color class, and we may add tangerine, brown, blue or purple beards, as well as ruffling or other qualities to make them distinctive.

## BLENDS

As with the yellows there are a goodly number of fine blends, yet because of their very makeup there will always be a great demand for rich things in this color range. Famous for their rich blends are Dr. Kleinsorge and Mrs. Whiting and hybridizers interested in this class will employ their iris with considerable success. Sultan's Robe, Casa Morena, Rilla Gabbert, Miobelle, Miogem, Three Oaks, Tobacco Road, Bryce Canyon, Mexico and Mirabelle have all proved to be fine parents. We think Lady Albright will be a good parent as perhaps will Sunset Road and Brown Stain. Honeyflow and Cape Bon (sister seedlings) have produced rich blends employed with either Sass or Kleinsorge lines. The fine iris in this color range are numerous and there are untold possibilities in the combination of parents and the colors that may come. Try Stag at Eve.

## ORANGES

As stated last year I believe the much-sought orange color will probably come from the tangerine bearded pinks and their by-products—there is ample evidence of this with such fine iris as Hi Time and Melody Lane. Yet there seems to be another approach which has stemmed from Naranja blood, mostly, and these are definitely on the yellow side. Useful among these we would list: Damascus, Rocket, Moontide, Orangeman, Ella Callis, Tiffanja, Top Score, Symbol, Orange Gem, Gold Nugget, Ola Kala and perhaps Mexico should be useful here as might Arab Chief, Coloratura and Treva.

## CREAM

Creams are very important in the garden picture for use as foils for dark and gaudy colors. In late years there have been some important additions to this color class: Amadine, Snoqualmie, Carved Ivory, Ruffled Bouquet, Desert Song, Creamo, Ivory Tower and Golden Treasure, and lately there have come a goodly number of yellow and white bi-colors or cream and white bi-colors such as Tranquil Moon, Cream Gold and Song of Songs; these may replace the cream selfs in the garden picture. Some of the lightly marked plicatas (yellow or cream) may be used the same. Almost all the creams are the result of breeding from yellow and white parents. Gold Ruffles has given me several fine creams. Easter Morn, Snow Flurry, Snow Carnival, Purissima and other whites might be employed in quest of this color.

## MULBERRY

This has been a neglected class, although, perhaps, not too many are necessary. We have some fine ones: Master Charles, Mulberry Rose and Elmohr. Reds used with the deep purples might give us newer additions in this class.

## PLICATAS

Some like their plicatas precisely stitched, while others prefer them heavily bordered, splashed and brushed. Mohr-Mitchell gave us the first large-flowered white plicatas and the Sasses gave us the first large yellow-ground plicatas. These lines have been combined in numerous ways and results have been pleasing. A goodly number of iris contain plicata blood and when bred to the right combination of bloodlines plicatas "pop up" where they may not be expected. Almost all the rich plicatas come through either Tiffany or Orloff, and we have as a result of these Firecracker, Vision of Mirza, Royal Scot, Tiffanja, Rare Marble, Firedance and others. Firecracker and Rare Marble have proven fine parents for rich plicatas. Tom Craig's new Rich Raiment and Joseph's Mantle are unusual additions in this color. Daffy shows what might be had—each fall being marked differently, and Daffy produces seedlings with this same characteristic. Aldura is not

only one of the finest blue and white plicatas because of its form and substance, but is proving a splendid parent for many colors as well as plicatas. Blue Rim, when better distributed, will surely become popular. Rodeo will satisfy those who like size coupled with quality. Rose Top because of its late-blooming habit could be very popular, and should be a fine parent for it has a lot of quality. We fell for Mr. Snyder's plicata with brown markings, number 1 S 46, out of Dreamland x a Sass plicata, and this gives us a lead that Dreamland might prove a fine parent to use for plicatas. We know Tiffany is a fine parent in this color and it produces reds, as well, due, no doubt to both King Tut and Morning Splendor blood.

### LEMON YELLOW

These cool lemon-yellows are bi-products of the plicatas. Even the white plicatas when throwing "whites" put this lemon-yellow coloring on the hafts. The first of this color to be introduced was Elsa Sass—since then have come Moonlight Madonna, Cool Lemonade and the more-white contrasted Golden Fleece and later Mattie Gates and Belle Amie. These could all be used for plicata breeders, as well as lemon-yellows.

### RED

They get redder and redder, but we are still some years from a true scarlet, no doubt, yet breaks are coming so fast and from several sources no telling just where or when the much-sought red will come. After seeing Tompkins' 50-90 out of Manana x Technicolor I "bet" some of the top reds will come through this hybridizer's work. Back of 50-90 are Garden Glory and Rocket, Casa Morena, Cape Bon and Damascus. We hear fine things of H. F. Hall's new reds, and some of Craig's. Lapham's Red Waves is the parent of Pacemaker as well as the new Big Time being introduced this year.

We cannot speak too highly of Red Gleam as a fine parent, and Lights On, while short, has the blood for reds and is proving its ability to produce color in its seedlings—a wise choice of tall parents such as Velvet Mantle, Ranger, Display, or Gypsy Rose, should be suitable mates. We know Aria, Apex, Garden Glory, Orelia, Burmese Ruby and Red Valor are fine parents. Of course Garden Magic has proven its worth—it being the parent of both Garden Glory and Ranger. Mr. and Mrs. David Lyon have a new red named The Mad Hatter out of Ranger x Cordovan that looks good and has, surely, rich and unusual breeding. Redwyne appears to be one of the best of the new reds. In the deeper tones Ebony Echo, with its lovely shape, holds promise of a fine breeder as well as a good subject for the garden. Campfire Glow has considerable red in its makeup, but is probably a rich, deep blend, yet should fit into any hybridizer's red program. For height and size Golden Russet, Moontide and Velvet Mantle should be good. Grand Canyon and Golden Eagle may fit here, too.

### THE "BLACKS"

A true black has not yet been achieved, yet some very deep black-purples have been produced. Schreiners gave us Black Forest stemming from Ethiopie Queen and Dymia, both of which should still hold possibilities in this color since Dymia is the parent of Gulf Stream, a quality deep purple. Sable has long been a standard of quality and is a fine parent. Storm King is, likewise, good and remarkable breeding material. We hear fine things of Envoy, and the unIntroduced Sable Night by Paul Cook, and some new seedlings of the Schreiners from Black Forest used with Down East and other dark varieties. Of my own work After Midnight has been quite popular, being large and tall, while Night Life, although short, is very dark and holds promises as a fine breeder. Night Spot has form (flaring falls) and good branching, and it, too, will be a useful parent—its 1950 children showed quality and one cross was such that no less than eight seedlings were saved for further observation and hybridizing work. Dr. Loomis has one with substance like "leather" from Elmohr x Sable. Indiana Night in back of Sable Night, as is Modoc. We look forward to the blooming of Ben Bolt, a seedling of Esquire, that is reported excellent. All these are heavy in Dominion blood, and rightly so. Perhaps some of the dark seedlings of Snow Flurry will be useful here, as will other "outside" blood. Black Michael from England is reported to be good and we are listing it this year.

### PINK

At last that elusive pink color has been achieved. Now, however, only certain refinements, deepening of the color, form and substance remain as further goals for the hybridizer. Great credit for this color should go to Dr. Loomis, who gave us Morocco Rose and its half sister Sea Shell (never introduced) and herein lies the recessive tangerine beard and linked pink color, surely, yet it is apparent that other lines carry these factors, and it was David F. Hall of Willmette, Illinois, who, through careful line breeding, selection and scientific knowledge brought about his strain of "Flamingo pinks." These all stem from Morocco Rose and W. R. Dykes. Their appearance was a boon to this color class and they have been leaders in this range. Equally interesting are the by-products of these pinks—the Apricots, Salmons, Oranges and Fuchsia colors—all bearing some kind of unusual tangerines, red, apricot or pink beard. From my own work in this color I have found little hope in the use of either Flora Zenor or Melitza, yet their grandchildren might be of some value, as should later generations—perhaps due to the blood refreshment they offer. Dr. Loomis' S Q 72 and V 20 are good parents. V 20 produces good form, width and closed standards. Among my 1950 seedlings one cross stood out as superior in form, color and finish, these were grandchildren of V 20 and a sister of Salmon Shell, involving as well Alice Harding and Dr. Loomis'



Type Dore (a Sea Shell seedling). The deepest pink I have had to date, No. 49-11-50, is out of 47-72: (Gold Ruffles x 45-64-1 A: Alice Harding x Dr. Loomis' Type Dore) x (Pink Formal)—it being a sister to No. 49-11 C—a pink with the pink beard that was almost a lost chord, but finally sent up increase late in the summer. Needless to say this 49-11 series has been put to heavy use in hybridizing. 1951 will see if any further developments along this line appear in the hundreds of pink crosses. 49-11-50 will be named—this has value for its size, form and strong pink color in the garden. It would appear from results obtained here that some out-crossing adds vigor and might add the qualities that have been lacking in so many of the new pinks. Both Party Dress and Apricot Glory, which I am introducing this year, have a little "outside" blood, although Apricot Glory has some Sass breeding through Prairie Sunset (back of Golden Eagle and Nylon). Chosen, Midwest Gem, Nylon, Painted Desert, Mount Washington, Jeb Stewart, Gold Ruffles, Purissima and Pathfinder have all produced tangerine bearded pinks when used with them. Ed Watkins writes of some fine F. 2 seedlings from Corporal Mary x Hall Sdlg. and S Q 72—surely good blood for adding fine qualities to the pinks. We would list the following as good prospects as parents in pink breeding: Cherie, Fantasy, Courtier, Pink Formal, Pink Salmon, Party Dress, Salmon Shell, Pink Sensation, Pink Tower (for size and clarity of color), V 20, S Q 72, Spindrift, Twilight Sky, Pink Cameo and Premier Peach and its child Hi Time; and Melody Lane for peach and salmon toned things. Tally Ho, Gay Orchid Fantasy, Mary Randall, Persian Princess, etc., for Orchid and Fuchsia-toned things as well as pinks, and perhaps salmon-pinks. I have, in the past, praised Golden Eagle for its high breeding value for many colors and it is in the background of most of Hall's pinks and can still be highly useful, although one should choose a parent with strong stalks and sturdy branches. Strathmore, from England, offers new blood in this color and we are proud to offer a few plants this season.

### AMOENAS

This has been a rather slow class for improvement. Wabash has been the standard for some years, and is still good. Others approach neglecta coloring, yet these can be highly useful with amoenas for hybridizing purposes. Amigo x Wabash has been widely used and some fine seedlings have resulted, some of which have not been introduced. Extravaganza x Wabash has given Geddes Douglas a series of fine Amoenas, not yet widely distributed. Extravaganza x Louise Blake gave K. Smith Helen Collingwood that has received high praise. Since most of the Amoenas have lacked size, and their seeds have been difficult to germinate, some new blood is indicated. I would suggest Caroline Burr since one of its parents is a fine neglecta, and other mesopotamica derivatives such as Purissima, Snow Flurry or Snow Carnival. Nine Hearths is such a cross but to date it seems to have evaded seed production, so it may have an upset number of chromosomes. Maytime is large and should be useful in this color class, as should Rumba Rose. Others are probably on the horizon. Chantilly might be used for blood refreshment as well to add some ruffling. Imagination and hard work will reward hybridizers who have the courage to experiment and are not in too great a hurry to achieve success.

### VARIEGATAS

As with the Amoenas really fine variegatas have been few and far between. City of Lincoln has long been a standard, but of recent years some fine things have come and it appears Staten Island will replace its parent as a leader in this color. Good, also are, Gypsy, Black and Gold, The Oriole, Top Score and some varieties not quite so great in contrast (yellow and red) are: Frank Adams, Red Torch, Rajah Brooke, Mary Vernon, Voodoo, Mary Ellen and Mexico. Aztec Indian looked good as did the English introduction, High Command. Still room for top quality in this class.

### OTHER COLORS

Who knows where the next break may come? Surely the surface has just been scratched. When will the exotic bloom of the Oncocylus be achieved in a tall, well branched iris? Can we put those striking signal patches on the tall bearded? Surely unusual color combinations may yet be achieved: Blue standards and pink falls, pink and yellow bi-colors, black and white combinations, pink and white, chartreuse and pink. Just let your imagination run wild. Impossible? Not at all. These and other colors, as yet unheard of, will come in time. The expectancy and fun in the anticipation of them shall urge us on through the hard work and the years of waiting.

### RE-BLOOMERS

Here is a class that will offer unlimited possibilities to those who have the patience to work for strains of re-bloomers. The warmer climates offer the easiest "workshop" for these, yet we who live in colder climates will welcome "sure-fire" re-bloomers—that will show before heavy frosts prevent their blooming. Once these re-bloomers are established the color range will need widening for most that show this tendency run to the purple, blue, "red" or blend class, although Pink Lace shows a tendency to re-bloom as does Sunset Serenade and Lugano. Raidant, China Maid, Priority, Mount Timp, Gay Orchid, Autumn Flame, White Alone and many Purissima and Tiffany derivatives show a strong tendency to re-bloom in many localities, and Joseph's Mantle is a reliable remontant. Ethel Peckham, Red Ray and Sultan's Robe produce a goodly number of re-blooming seedlings. Mrs. Kerr of Kentucky sent us a seedling from Ormohr x Wabash that is a strong off-season bloomer, and we are proud to introduce Mrs. Brown's dependable re-blooming blend and believe it should be useful to hybridizers seeking this quality.

## HYBRIDS

Hybrids are those varieties obtained by crossing two distinct species within the same family. For instance Wm. Mohr is from a tall bearded crossed with pollen of a species *Oncocyclus*. Aside from the great beauty of many of these is the possibility of bringing in new characteristics into the tall bearded family. Although many of the hybrids lack vigor if they can be induced to seed production, or have fertile pollen, their offspring, generally, are highly vigorous and show tremendous increase. Who could ask for a better grower, ordinarily, than Elmohr? Or Lady Mohr? Useful because of their fertile pollen and the unusual seedlings they produce are: Ib-Mac, Capitola and Joppa Parrot, although the later is extremely difficult to grow in cold and damp sections. *I. hoogiana* sets some seed with tall bearded pollen; and we have Hoogie Boy and Hoogsan as introduced children—both of which are fertile pod and pollen parents. Narrowness of falls and weak stems are to be avoided in seedlings derived from *I. hoogiana*, however. We are introducing three iris of hybrid blood this year and hope in time they will prove of value in hybridizing work although they are, in themselves, fine garden subjects. Madam Mohr is the first seedling we have heard of from Morera. Last year I had a rather unexpected seedling No. 50-11 from Deep Buttercup and Tompkins' 43-20: (4 E 38: Wm. Mohr x Mussolini) x (Golden Spike), a deep rich mahogany red self—very large, tall and well branched. Where might the red coloring have come from? Deep Buttercup being a grandchild of Mauna Loa, and 43-20 a grandchild of Matula; perhaps the coloring could have come from either or both. It may be of great value in red breeding. This was one of very few seedlings from Deep Buttercup, however, that was worthy of being saved, so many of them being too long and narrow in the falls.

## FRAGRANCE

Rare is the tall bearded iris without some fragrance, yet some, and especially those with *oncocyclus* blood, have no fragrance. Snow Flurry with her delicate orange-blossom perfume and Mary Clotilde with her spicy fragrance are good examples of a quality worthy of consideration by the hybridizer. Here are a few varieties with delightful perfume and may be employed to breed for this quality: Song of Gold, Shining Waters, Sylvia Murray, Sea Lark, Pink Ruffles, Violet Symphony, Easter Morn, Misty Gold, Rubient, Katherine Fay, Gloriele, Purissima and its derivatives and many others including those mentioned above. Iris descending from *I. pallida* inherit a lovely perfume reminiscent of pressed concord grapes, yet when this blood is mixed with other tall bearded strains rare combinations of odors may be expected.

## DISEASES

Almost every known plant has its ills, its diseases, yet, if plants are given proper food elements, and clean cultivation chances for health is assured for iris are of easy growth and culture. Tall bearded iris are sun-lovers and while they seem to grow in shaded locations they do not always bloom well, increase as they should, and may be subject to rot. A goodly number of fanciers "swear" by wood ashes as a preventative of rot. Let us consider several diseases:

### LEAF SPOT

This is a condition that spots the leaves unsightly, but does little real damage, unless the infestation should become extremely heavy. This condition usually starts among crowded plants and may follow a period of damp weather. Before the infestation becomes heavy just pulling or cutting off the infected leaves will stop its spread, and then, as soon as possible, the plants should be thinned out.

### BACTERIAL LEAF BLIGHT (OR ROT)

Moisture and heat combine to nurture the virus, or bacteria, that causes the disease. Just what can be done is often problematical since large plantings can neither be lifted and dried, or kept under constant vigil, especially if rainfall is heavy. If possible, however, the affected leaves and rhizomes should be cut away making sure to sterilize or disinfect tools used before cutting into other plants. Affected plants may be dusted with Gypsum, or washed off with solutions of either lysol (1 teaspoon to the pint of water) or potassium permanganate (enough to make the water a deep red-purple. The slimy leaves and portions of the rhizomes affected should be destroyed. Some plants may be lifted and dried to save them, planting after the damp weather has ceased.

### SOFT ROT

This disease appears in late spring and during the summer. It is brought on by heat and moisture. Insuring good drainage in the soil, clean cultivation and planting rhizomes rather shallow will help to guard against this type of rot. If rhizomes need cutting, to save portions of a plant, this should be done with a sharp knife—allowing the exposed portions to remain so for several days and sunlight may cure the "wound". The cut rhizome might also be treated with any of the three previously mentioned "disinfectants".

### WINTER ROT (BOTRITIS)

Injury from this type of rot (mould) will be found in the early spring when dead leaves are being removed in the garden clean-up. As with other types of rot the affected portions should be cut away—being careful not to drop the black spores (mould) or these may spread the disease to other sections of the garden. Treat the cut away portions with above "remedies", and healthy cut portions should be left exposed to sunlight.



## MUSTARD-SEED FUNGUS

This disease will also appear in damp warm weather. Leaves close to the ground will be affected—these should be removed being careful that none of the spores, in the form of small "mustard seeds", drop to the soil or on other plants. Affected parts should then be washed, and soil around them, treated with a solution of potassium permanganate.

## SCORCH

Little is known of this disease or its cure. Plants turn brown or yellow and the rhizome loses its roots yet stays firm. We have heard of some success just lifting the plants and exposing them to sunlight for several days or even weeks. Last year I treated two rhizomes, sent to me, with lysol solution, drying them, dipping again, drying for several days in shade then planting, and evidently the plants are growing and appear to be quite healthy. Another fancier reports success dusting with fermate. Sir Cedric Morris of England has experimented with solutions of Sulphathiazole with apparent success. Any cure learned of through experimentation should be reported to the scientific committee of the A.I.S. or to the Editor of the bulletin.

## IRIS BORER

This dread worry has long harassed some sections of the country, yet with the advent of D.D.T. (Wetttable) one need not fret over this plague. Only one thing is essential—early application of the D.D.T. spray and faithful application of the spray every 10 days up to the time the iris bloom, for it is in the very early spring this Moth's larva hatch and crawl up to the iris leaves to start chewing their way down into the fans and finally into the rhizomes. Isabelle Bowen Henderson of North Carolina gives a good formula in bulletin No. 120 (Jan., 1951, page 46)—a mixture spray of D.D.T., fermate and Nicotine Sulphate that will control iris borer as well as thrip and other "bugs" that might attack leaves or pods. It is as follows:

3 Gallons Water	6 Level Tablespoons 50% Wetttable D.D.T.
2 Level Tablespoons Dupont Spreader Sticker	3 Level Tablespoons Fermate
1 ½ Level Tablespoons Nicotine Sulphate.	

The D.D.T. will have to be dissolved in water before adding to the mixture. Use in any type spray that will handle a suspended mixture.

Other diseases and pests will not be touched upon since the foregoing seem to be the most prevalent "ailments".

## FOOD AND FERTILIZERS

Soils never having grown iris will, in all likelihood, need little added to them to "boost" the plants for the first year or two, however, since the majority of iris fanciers live within the confines of one spot it becomes a problem to make sure their plants receive the elements necessary to health and fine bloom. I am not expert on soils and fertilizers, so can offer very little advice other than some few points known, generally, to the average gardener. Soils differ in their makeup—some are sandy and certain elements soon leach out, while other soils are heavy in clay with rather poor drainage. It is advisable, very often, to bring in loads of soil or sand to counteract these conditions. Other soils are rich in humus (fibrous material that nature supplies to the soil from plants: leaves and stalks that have lived and fallen in their season). We modern gardeners are often wasteful of vegetation—weeds, leaves, vegetables, etc., burning or throwing them away, yet we should, if possible, make compost heaps, or pits, and return these valuable elements to the soil for they have in them minerals and water-holding qualities necessary to fine soil that encourages the lowly earthworm and hundreds of kinds of beneficial soil bacteria. When we use barnyard fertilizers we are adding, of course, this very essential humus to the soil, as well as other elements high in fertility values to our plants. It is not always possible for "city gardeners" to obtain animal manures for their gardens, and if available they may seem costly. The best time to apply them, however, would be in the fall before snow flies, or worked well into the soil some time before planting is to be started—keeping the soil well worked and watered so as to allow the bacteria, worms, etc., to prepare the soil to an ideal condition before planting. My grandmother used to tell me that a good hoeing was as valuable as a feeding of fertilizer. Her garden was proof of this, and that she practiced what she "preached" was evidenced by the worn condition of the many hoes she had in the tool shed. We can employ the use of commercial fertilizers, well and wisely, and might consider, even, some trace elements in certain localities. Here in Utah, for instance, we live in a natural lime-stone area and additions of lime, or bonemeal, is hardly an essential to growing bearded iris, and it almost excludes the growth of acid-loving species. In some places lime and bonemeal are essential elements to add to the soils to insure healthy plants. So one must know something of the soils in his locality. An early spring feeding of super-phosphate will help to boost plants and produce better stalks, larger flowers and improve color, yet one must use care and skill in their application and give plenty of water together with them. It would be ideal if all iris growers could rotate their plantings so that iris need not be grown on the same ground more than two years (the time required, usually, to produce typical bloom on most varieties) being sure not to grow heavy root-type plants in the soil for another year or two, but most fanciers are not so fortunate. Very often, however, it is possible for the fancier on a small plot to dig out a clump—to remove the old soil under the plant and to replace it with new soil hauled in or conditioned for that purpose before another plant is started in the same location. Some fanciers save all the wood ashes they can get hold of to put under new

plants. Compost, of course, is wonderful, as is well rotted barnyard fertilizers, yet rather fresh manures may be applied to the ground in the late fall for the winter will disintegrate these quite thoroughly, making them easy to work into the soils in early spring. Silt from river beds, or ditches, is highly useful to place under new plants where one has to grow iris in the same location year after year.

#### **RHIZOME SIZE**

As mentioned last year some sections of the country grow very large rhizomes, while other localities grow smaller and harder plants. These might both grow equally well. One is not necessarily better than the other for sometimes very large water-soaked rhizomes do not thrive if sent to a section of the country that is colder and without the rain or moisture similar to that under which they were grown. If you live in a section where rhizomes grow very large it is wise to buy your plants locally. The same is true where the soil is of a certain acidity or alkalinity—such plants require a period of adjustment of “acclimatizing” to grow and do well under somewhat “reverse” growing conditions. However, very often when plants fail to seem to grow and increase well, or fail to bloom the next season they often make up for this with both increase and quality of bloom in their second year.

#### **ON IRIS PRICES**

Admittedly everyone likes a bargain. However, there are some phases to iris growing that buyers often overlook in their quest for new varieties for their gardens or hybridizing work. Anyone employed in growing thousands of seedlings either as a hobby or as an avocation knows the work involved, and the disappointments. I have often said I'd rather pay \$50.00 for a new iris than to try to grow one, however, the thrill of achievement and my desire to help improve form and color press me forward although if the same effort were expended in other fields one might receive greater remuneration for his work. There are growers who offer iris at half price. They, very often, do not offer any other service or extras. Think of the fancier or Commercial grower, in comparison, who publishes a costly catalog, offers some other service, or is known for the generous extras he includes with each order. It is hardly fair to the hybridizer of a variety, that is in favor and much sought after, to have some commercial grower undersell him. Likewise it is not ethical. I believe, to have prices cut on expensive varieties for the commercial grower has had to buy stock, cultivate it, pay help, etc., and it may be some time before his investment is repaid. Competition is a good thing in all trades, but there are certain ethics, fair dealings, and good will to consider in any line of business. Personally we like to help other fanciers obtain fine iris for their gardens and for breeding work. And we like to be generous in filling orders, yet we would hardly feel justified in offering plants at drastic reductions just to “get business”, for we hope to stay in the fancy a long time and hope the friends we make among the fanciers and commercial growers alike will increase in number and enjoy, with us, a mutual confidence and respect so that we may help each other in our quest for better iris. Some of us, unfortunately (or fortunately) devote all our time and efforts toward the production of new and better varieties, the growing of novelties and standard named sorts. One could hardly expect to ask us to work without remuneration. We pay for all services we need and enjoy to make life richer and fuller. No one asks for, or expects, doctors' services or groceries for half price, and I see no reason for “cut-throat” tactics among iris growers just because plants increase well. Surplus may be given away, but it is hardly right to advertise them at half price, or less. I say—“live and let live” and do unto others as you would that they should do to you. There is room for all in the commercial field, for hundreds of thousands of gardeners have not as yet been made aware of the wonders or the beauties of modern strains of all kinds of iris. We can all do “missionary work” to bring neighbors and friends to our fold. Garden lovers never fail to recognize the beauty and worth of iris as hardy perennials when given an opportunity to see the newer kinds. We would advise fanciers to invest in some of the newer and more expensive iris to treat themselves and friends to a real thrill, and a thrill that will return year after year. And with the newer kinds it is often much easier to make satisfactory exchanges with other hobbyists, for we all seek after new and unusual things. There is a certain satisfaction in being one of the first to grow some new variety, and to the hybridizer this is almost a must for it gives him finer breeding stock and a “measuring stick” by which to judge his own seedlings. Fanciers who hybridize and do not grow modern collections or have no access to gardens, where they may be seen, can hardly appraise his own work, and even with such a collection the job is a difficult one since it is impossible to know what the multitude of other hybridizers may have. We have hobbyists so severe in their judgment they have never named or introduced an iris even though having been engaged in hybridizing over a period of years. This type of precaution, to the extreme, may serve little purpose. Every hybridizer finds, surely, that each generation shows some improvement—if this were not so there would be little to encourage the breeder to carry on, and if every hybridizer waited for the ultimate there may be few if any new varieties introduced, making progress from all sources far less possible since many fine parents would be withheld.

#### **TALL BEARDED IRIS SEED**

Again we will offer a limited amount of tall bearded iris seed from selected parents. I cannot make special crosses with parents listed in this catalog due to the fact that often weather interferes with this work, or the varieties may have no pollen and are difficult pod parents. I will, however, offer seed in all color classes. Just give me the color you would like to work for and I will furnish seed from parents that are advances in their color classes—often using new seedlings that will



later be named and introduced. You might suggest one parent and if possible I will furnish seed from that parent used one way or another. We would like to make this comment, however. If you buy seed from us you will be considered the breeder, yet we would like at the earliest possible date to grow the very outstanding seedlings on trial for possible introduction. We urge you, however, to maintain their pedigrees. One fancier to whom I sold seed makes the claim his "pink" seedlings are from his own line of breeding, giving false pedigrees. This is hardly what I have in mind for the price of the seed does not justify the hard work involved in making the crosses and cannot pay me for the years of work on some of the lines of breeding. My purpose is to give fanciers a chance to obtain fine seedlings for breeding work where they have the energy to grow seedlings and do not have the money to spend for expensive new novelties. If pedigrees are falsified the iris are still fine, but the purpose of keeping records is lost, and such plants cannot be used to best advantage in breeding if the background is believed to be something other than what it is.

No less than 20 seeds of a cross will be sold. Count will be generous.

All colors, including the new pinks, salmons and apricots.....10c each  
Crosses using Pink Formal, Party Dress, Apricot Glory.....15c each

#### **SPURIA SEED**

All colors Spuria seed, with pedigrees.....10c each

#### **DWARF IRIS SEED**

All colors dwarf iris seed, with pedigrees.....10c each  
(Order all seed on separate Order Sheet.)

#### **SELECTED PEDIGREED SEEDLINGS**

We will have some splendid seedlings from the latest novelties in all colors at **\$1.00 each.**

Seedlings from Pink Formal used with Cherie, Hi Time, and my own lines of pinks, **\$3.00 each.**

Will have some double grandchildren of Pink Formal at **\$3.00 each.**

### **TERMS OF SALE**

Cash with order. Postage paid on orders for \$5.00 or more, orders for less add 25c to cover packaging and postage.

#### **DISCOUNTS — EXTRAS**

We offer a 25% discount on all orders over \$10.00. Varieties marked 'Net are not subject to a discount. List some alternates if you do not mind if we make some substitutions, and we may use this list of alternates to furnish your extras. No discount on seed or seedlings.

#### **SPECIAL FOR 1951**

For all orders over \$10.00 we will include a rhizome of the new cream iris Patricia Joyce, or if you have this variety let us know and we will send something of equal value.

#### **REPLACEMENTS**

We make every effort to keep our iris true to label; however, should any prove untrue to label we will replace these, and so far as possible we will replace varieties lost through the first winter after purchase from us. If a variety should be lost the same year purchased we will replace this at once, if notified in time, or book for delivery early the next year.

#### **SHIPPING DATES**

In an early season we can often start shipping the end of June or 1st of July. Our rhizomes are more fully matured after July 15th and will be larger than plants shipped earlier, yet some fanciers prefer early shipments so as to give their plants a longer time to establish. We will comply with your request for special shipping dates so far as possible, yet orders will be filled in the order received as to these dates.

### **SATISFIED CUSTOMERS**

Each year we receive hundreds of letters from satisfied customers from all parts of the world, and it makes us happy to receive these. Much as we would like to we cannot print them, yet the gist of all is a "thank you for the generous extras". We think you, too, will be happy with our service and generosity.

#### **AN INVITATION**

We would like to invite everyone interested in growing fine iris to join the American Iris Society. The four bulletins each year keep you up to date on all iris matters pertaining to new varieties, hybridizing, culture, use in the garden and hundreds of other items. If you are interested in books on iris the American Iris Society has in stock two new books: "The Iris an Ideal Hardy Perennial," \$1.50 paper bound or \$2.50 permanent binding; Prof. Sidney Mitchell's delightful new book: "Iris for Every Garden," priced at \$3.00. These may be had by writing directly to the American Iris Society headquarters or you may include with your iris order to us, and we will send them in for you. The address of the American Iris Society is 444 Chestnut Street, Nashville 10, Tenn.

Dues \$3.50 yearly. \$5.00 for family membership (husband and wife). \$5.00 for sustaining membership for those who wish to make a personal contribution to the society.

If you are not already a member of the American Iris Society send your dues to us, together with your order for iris, and we will send you free of charge a selected Pink Formal seedling, or, if you prefer, 3 other seedlings in any color you may desire.

# TELL'S IRIS GARDENS

Date \_\_\_\_\_, 19\_\_\_\_

SHIP TO \_\_\_\_\_

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City \_\_\_\_\_ State \_\_\_\_\_

Date Wanted \_\_\_\_\_ Amount Enclosed \$ \_\_\_\_\_

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Continue order on reverse side of this sheet.



## ORDER SHEET — Continued

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A SMOOTH LOBELIA VIOLET:

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